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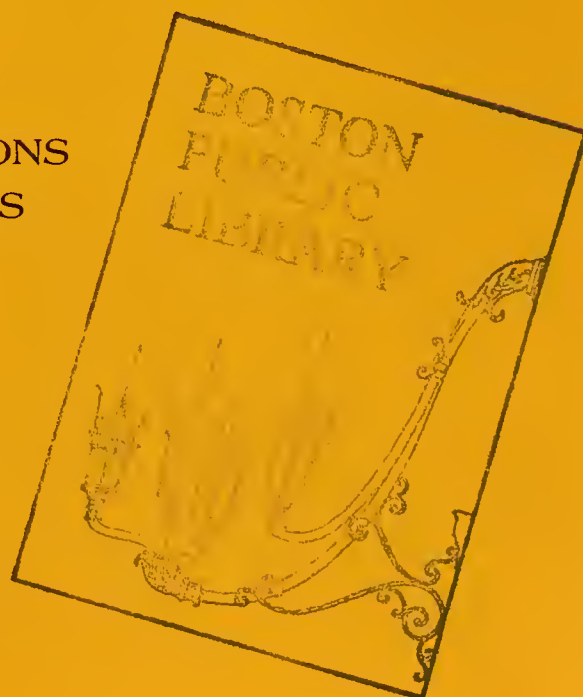
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FANEUIL HALL MARKETS

BOSTON, MASSACHUSETTS



SPECIFICATIONS
ESTIMATES



FANEUIL HALL MARKETS REPORT

Prepared For The
BOSTON REDEVELOPMENT AUTHORITY
City of Boston
Massachusetts

by

ARCHITECTURAL HERITAGE, INCORPORATED
Faneuil Hall Market, Boston, Massachusetts

and the

SOCIETY FOR THE PRESERVATION OF NEW ENGLAND ANTIQUITIES
141 Cambridge Street, Boston, Massachusetts

under the direction of

MR. WILLIAM ENDICOTT

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FANEUIL HALL MARKETS

Outline Specifications
and
Cost Estimates

By

Frederick A. Stahl, AIA

Roger S. Webb

Boston, Massachusetts

1968

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

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P R E F A C E

Outline Specifications and Cost Estimates

An outline specification has been prepared to fully and accurately restore the exteriors of Faneuil Hall Markets and to alter and improve the interiors in accordance with requirements for fully flexible modern office and retail accommodation.

Cost estimates have been developed in parallel with requirements of the specifications and drawing illustrating essential features of the proposed work.

Comparisons have been provided to indicate cost differentials of various degrees of restoration and rehabilitation.

Estimates of cost have been based upon information developed by the technical consultants; Architectural Heritage Inc, restoration consultants; F.A.Stahl and Associates, architects; LeMessurier Associates, structural engineers; Progressive Consulting Engineers, mechanical engineers; Herosy, Lottero and Mason,electrical engineers. Whenever possible appropriate specialized contractors and suppliers have made detailed estimates based upon first hand view of existing conditions, outline specifications and drawings,and they furnished detailed proposals for undertaking sections of the work. The full cost estimate has been reviewed by The Turner Construction Company of Boston. Staff members of the Boston Redevelopment Authority have participated in the formulation of specifications and securing of estimates and reviewed the full cost estimate.

FREDERICK A. STAHL AIA

ROGER S. WEBB

August 4, 1968

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GROSS AREAS FANEUIL HALL MARKETS

North Market Building, 20 units excluding Durgin-Park:

Land area, 512 ft. x 55 ft. (average).	28,160 sq.ft.	
Durgin-Park, 3 units.	<u>-3,630 sq.ft.</u>	
		24,530 sq.ft.
Floor area, 6 floors x 28,160 sq.ft..	168,960 sq.ft.	
Durgin-Park, 6 floors x 3,630 sq.ft..	<u>-21,780 sq.ft.</u>	
		147,180 sq.ft.

South Market Building, 22 units:

Land area, 520 ft. x 65 ft..	33,800 sq.ft.
Floor area, 6 floors x 33,800 sq.ft.	202,800 sq.ft.

North and South Market Buildings, 42 units excluding Durgin-Park:

Land area	58,330 sq.ft.
Floor area.	349,980 sq.ft.

Market Building:

Land area, 520 ft. x 52½ ft. (average).	27,300 sq.ft.	
Floor area, excluding porticos		
Central pavilion.	4,100 sq.ft.	
East wing, excluding portico, 220'x50'..	11,000 sq.ft.	
West wing, excluding portico, 220'x50'..	<u>11,000 sq.ft.</u>	
Total per floor.	26,100 sq.ft.	
	<u> x 3 floors</u>	
		78,300 sq.ft.

Faneuil Hall Markets, 3 buildings:

Land area.	85,630 sq.ft.
Floor area	428,280 sq.ft.

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SUMMARY ESTIMATE

FANEUIL HALL MARKETS

	North Market <u>Building</u>	South Market <u>Building</u>	Total - No. & So. Market <u>Buildings</u>	"Quincy" Market <u>Building</u>	Faneuil Hall <u>Markets</u>
<u>Section I</u> Clean'out & Demolotion	\$ 140,860	\$ 218,750	\$ 359,610	\$ 83,400	\$ 443,010
<u>Section II</u> Underdrain- age & Dampproofing	46,800	53,800	100,600	40,945	141,545
<u>Section III</u> Granite work	82,950	129,750	212,700	51,200	263,900
<u>Section IV</u> Brick Work	81,120	109,415	190,535	84,000	274,535
<u>Section V</u> Concrete Work	20,000	22,000	42,000		42,000
<u>Section VI</u> Rough framing	174,100	209,900	384,000	18,000	402,000
<u>Section VII</u> Windows, skylights & doors	169,400	203,120	372,520	74,670	447,190
<u>Section VIII</u> Roofing & flashing	<u>52,890</u>	<u>88,220</u>	<u>141,110</u>	<u>35,050</u>	<u>176,160</u>
EXTERIOR RESTORATION & BASIC REHABILITATION	\$768,120	\$1,034,955	\$1,803,075	\$387,265	\$2,190,340
Cost per sq. ft.	\$5.20	\$5.10	\$5.15	\$4.95	\$5.10
 <u>Section IX</u> Cores & public areas	 \$457,325	 \$475,325	 \$932,650	 \$96,350	 \$1,209,000
<u>Section X</u> Entrances & Passageways	20,000	21,000	41,000	8,000	49,000
<u>Section XI</u> District system, general construction	122,290	136,400	258,690	81,300	339,990
<u>Section XII</u> Heating ventilation & air conditioning	585,500	695,300	1,280,800	200,200	1,481,000
<u>Section XIII</u> Electrical	497,550	580,550	1,078,100	245,600	1,323,700
<u>Section XIV</u> Office area tenant allowance	187,303	249,628	436,931		436,931
<u>Section XV</u> Retail area tenant allowance	<u>200,300</u>	<u>213,500</u>	<u>413,800</u>		<u>413,800</u>
	\$2,070,268	\$2,371,703	\$4,441,971	\$631,450	\$5,073,421
TOTAL - EXTERIOR & INTERIOR RESTORATION & REHABILITATION	\$2,838,388	\$3,406,658	\$6,245,046	\$1,018,715	\$7,263,761
General Conditions overhead & profit @ 13%	<u>368,000</u>	<u>443,000</u>	<u>811,000</u>	<u>131,000</u>	<u>942,000</u>
	<u>\$3,206,000</u>	<u>\$3,850,000</u>	<u>\$7,056,000</u>	<u>\$1,150,000</u>	<u>\$8,206,000</u>
Cost per sq. ft.	\$21.80	\$19.10	\$20.20	\$14.70	\$19.20

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DETAILED ESTIMATE FANEUIL HALL MARKETS

	<u>North Market</u> <u>Building</u>	<u>South Market</u> <u>Building</u>	<u>Total -</u> <u>North and</u> <u>South Market</u> <u>Buildings</u>	<u>Market</u> <u>Building</u>
<u>Section I - Clean out and demolition</u>				
a) Clean out.	\$107,100	\$150,000	\$257,100	\$44,400
b) Partial demolition.	7,700	51,460	59,160	22,300
c) Complete demolition.	22,500	12,800	35,300	
d) Sidewalk demolition.	3,560	4,490	8,050	16,700
<u>Total.</u>	<u>\$140,860</u>	<u>\$218,750</u>	<u>\$359,610</u>	<u>\$83,400</u>
<u>Section II - Underdrainage and dampproofing</u>				
a) Excavation and fill.	\$4,400	\$5,000	\$9,400	\$1,925
b) Slab.	3,000	3,400	6,400	1,320
c) Piping (including tunnel).	6,400	6,400	12,800	6,400
d) Dampproofing.	33,000	39,000	72,000	31,300
<u>Total</u>	<u>\$46,800</u>	<u>\$53,800</u>	<u>\$100,600</u>	<u>\$40,945</u>
<u>Section III - Granite work</u>				
a) Supply cut stone for facades.	\$38,600	\$70,400	\$109,000	
b) Supply cut stone for columns and chimney caps.	9,750	9,750	19,500	\$11,700
c) Erect facades.	18,000	32,000	50,000	
d) Erect columns and chimney caps.	4,100	4,100	8,200	17,500
e) Patch existing granite.	4,000	3,500	7,500	4,000
f) Clean all granite.	8,500	10,000	18,500	18,000
<u>Total.</u>	<u>\$82,950</u>	<u>\$129,750</u>	<u>\$212,700</u>	<u>\$51,200</u>
<u>Section IV - Brick work</u>				
a) Erect new rear walls.	\$21,600	\$10,800	\$32,400	
b) Erect new end walls.	3,150	28,200	31,350	
c) Reconstruct chimney stacks.	4,000	4,000	8,000	
d) Repair common party walls.	1,800	5,700	7,500	
e) Repoint rear and end walls.	4,400	5,000	9,400	
f) Clean rear and end walls.	8,800	10,000	18,800	
g) Cut typical openings in common walls.	15,120	17,640	32,760	\$4,000
h) Construct new brick sidewalks.	22,250	28,075	50,325	80,000
<u>Total.</u>	<u>\$81,120</u>	<u>\$109,415</u>	<u>\$190,535</u>	<u>\$84,000</u>
<u>Section V - Concrete work</u>				
a) Entries to basements.	\$20,000	\$22,000	\$42,000	
<u>Total.</u>	<u>\$20,000</u>	<u>\$22,000</u>	<u>\$42,000</u>	

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DETAILED ESTIMATE FANEUIL HALL MARKETS

	<u>North Market</u> <u>Building</u>	<u>South Market</u> <u>Building</u>	<u>Total -</u> <u>North and</u> <u>South Market</u> <u>Buildings</u>	<u>Market</u> <u>Building</u>
<u>Section VI - Rough framing</u>				
a) Frame new floors.	\$60,000	\$30,000	\$90,000	
b) Frame new galleries.		19,200	19,200	
c) Lower floors previously raised.		7,000	7,000	
d) Floor over existing openings.	24,000	30,000	54,000	
e) Level rough flooring.	21,000	21,000	42,000	
f) Frame and deck new roofs.	26,400	52,800	79,200	
g) Frame and sheath new dormers.	4,000	8,000	12,000	
h) Frame new skylights.	6,000	6,600	12,600	
i) Frame typical common wall openings.	18,900	21,500	40,400	\$3,000
j) Roof insulation and ceiling finish.	13,800	13,800	27,600	
k) Repair framing dome ceiling				15,000
<u>Total.</u>	<u>\$174,100</u>	<u>\$209,900</u>	<u>\$384,000</u>	<u>\$18,000</u>
<u>Section VII - Windows, doors, skylights</u>				
a) Windows - 2nd, 3rd and 4th floors.	\$89,600	\$114,400	\$204,000	\$24,210
b) Windows - ground floor.	13,200	14,400	27,600	19,560
c) Dormers.	3,000	3,500	6,500	
d) Exterior doors and frames.	29,400	32,100	61,500	29,900
e) Skylights.	34,200	38,720	72,920	
f) Windows, dome lantern.				1,000
<u>Total.</u>	<u>\$169,400</u>	<u>\$203,120</u>	<u>\$372,520</u>	<u>\$74,670</u>
<u>Section VIII - Roofing and flashing</u>				
a) New and existing slate roofing.	\$21,800	\$45,500	\$67,300	\$10,000
b) Flash - chimneys, skylights, dormers.	3,600	4,000	7,600	16,720
c) Flash - common walls.	5,600	13,400	19,000	
d) Gutters.	8,920	10,400	19,320	2,250
e) Downspouts.	2,370	2,520	4,890	1,080
f) Snow guard rail.	10,600	12,400	23,000	
g) Copper dome.				5,000
<u>Total.</u>	<u>\$52,890</u>	<u>\$88,220</u>	<u>\$141,110</u>	<u>\$35,050</u>
<u>Section IX - Cores and public areas for office floors</u>				
a) Framing				
<u>1.</u> New steel framing for concrete areas.	\$37,500	\$37,500	\$75,000	
<u>2.</u> Fireproof steel.	9,500	9,500	19,000	
<u>3.</u> Wood joist, deck and concrete fill.	22,100	22,100	44,200	4,200
Subtotal.	\$69,100	\$69,100	\$138,200	\$4,200
b) Stairs				
<u>1.</u> Metal pan stairs.	\$24,000	\$24,000	\$48,000	\$16,000
<u>2.</u> Rated stair enclosure.	15,000	15,000	30,000	8,000
<u>3.</u> Stair doors and hardware.	6,000	6,000	12,000	8,000
Subtotal.	\$45,000	\$45,000	\$90,000	\$32,000

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DETAILED ESTIMATE FANEUIL HALL MARKETS

	<u>North Market</u> <u>Building</u>	<u>South Market</u> <u>Building</u>	<u>Total -</u> <u>North and</u> <u>South Market</u> <u>Buildings</u>	<u>Market</u> <u>Building</u>
<u>Section IX - continued</u>				
c) Elevators				
1. 2,000 lb.	\$192,000		\$192,000	
2. 2,500 lb.		\$210,000	\$210,000	
Subtotal.	\$192,000	\$210,000	\$402,000	
d) Public toilets				
1. Public toilet plumbing. .	\$64,800	\$64,800	\$129,600	\$17,500
2. Public toilet enclosing walls.	19,440	19,440	38,880	3,750
3. Full ceramic tile. . . .	30,820	30,820	61,640	6,500
4. Toilet doors and hardware.	7,200	7,200	14,400	4,500
5. Toilet accessories. . . .	6,000	6,000	12,000	3,000
6. Toilet partitions.	6,000	6,000	12,000	3,000
7. Toilet room ceilings. . .	3,750	3,750	7,500	1,500
Subtotal.	\$138,010	\$138,010	\$276,020	\$39,750
e) First aid(fire) stations	\$7,200	\$7,200	\$14,400	\$2,400
f) Lobby finish				
1. Typical lobby wall finish.	\$4,665	\$4,665	\$9,330	
2. Typical lobby floor finish.	1,350	1,350	2,700	
Subtotal.	\$6,015	\$6,015	\$12,030	
g) Great Hall				
1. Dome ceiling, repair plaster, fixture and paint.				\$13,000
2. Floor and wall finish. . .				5,000
Subtotal.				\$18,000
<u>Total - cores and public areas</u> for office floors.	\$457,325	\$475,325	\$932,650	\$96,350
<u>Section X - Building entrances</u> and passageways				
a) Lobby finishes and equipment.	\$20,000	\$21,000	\$41,000	
b) Passageways.				\$8,000
<u>Total.</u>	\$20,000	\$21,000	\$41,000	\$8,000
<u>Section XI - District system,</u> general construction				
a) Heat sink tank construction.	\$28,600	\$37,000	\$65,600	\$16,600
b) Tunnel construction				
1. Face of building.	\$66,000	\$66,000	\$132,000	\$49,200
2. Across streets.	10,000	15,000	25,000	
3. Waterproofing tunnels. . .	17,690	18,400	36,090	15,500
Subtotal.	\$93,690	\$99,400	\$193,090	\$64,700
<u>Total - district system,</u> general construction.	\$122,290	\$136,400	\$258,690	\$81,300

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DETAILED EXTIMATE
FANEUIL HALL MARKETS

	<u>North Market Building</u>	<u>South Market Building</u>	<u>Total - North and South Market Buildings</u>	<u>Market Building</u>
<u>Section XII - Heating, ventilating and air conditioning</u>				
a) District system, H V A/C				
1. Central plant equipment. \$56,000	\$56,000	\$72,000	\$128,000	\$32,000
2. Heat sink equipment. 11,500	11,500	14,800	26,300	6,700
3. Tunnel distribution equipment. 24,000	24,000	24,000	48,000	24,000
Subtotal.	\$91,500	\$110,800	\$202,300	\$62,700
b) District system, plumbing				
1. Storm water, sanitary domestic water, gas. 8,000	8,000	\$8,500	\$16,500	\$7,400
2. Sewerage ejector. 6,000	6,000	6,000	12,000	6,000
Subtotal.	\$14,000	\$14,500	\$28,500	\$13,400
c) Complete interior H V A/C system.	\$480,000	\$570,000	\$1,050,000	\$137,500
<u>Total - heating, ventilating and air conditioning.</u> \$585,500	\$585,500	\$695,300	\$1,288,000	\$200,200
<u>Section XIII - Electrical</u>				
a) Central plant.	\$7,300	\$9,300	\$16,600	\$4,200
b) District system distribution				
1. Feeders.	\$49,200	\$49,200	\$98,400	\$28,000
2. Meter groups.	21,400	21,400	42,800	17,400
3. Telephone ducts. 3,600	3,600	3,600	7,200	3,500
Subtotal.	\$74,200	\$74,200	\$148,400	\$48,900
c) Tenant wiring				
1. Feeders.	\$50,000	\$65,600	\$115,600	\$44,000
2. Allowance for retail. 68,000	68,000	87,000	155,000	100,300
3. Allowance for office. 200,000	200,000	246,400	446,400	
Subtotal.	\$318,000	\$399,000	\$717,000	\$144,300
d) Building services				
1. Public areas.	\$29,200	\$29,200	\$58,400	\$15,400
2. H V A/C wiring.	26,400	26,400	52,800	7,400
3. Elevator wiring.	2,550	2,550	5,100	
4. Telephone provisions. 12,000	12,000	12,000	24,000	3,200
5. Emergency lighting. 8,800	8,800	8,800	17,600	12,400
6. Ice melting (gutters and leaders).	7,100	7,100	14,200	6,600
7. Auxiliary system provisions	12,000	12,000	24,000	3,200
Subtotal.	\$98,050	\$98,050	\$196,100	\$48,200
<u>Total - electrical</u>	\$497,550	\$580,550	\$1,078,100	\$245,600
<u>Section XIV - Office area tenant allowance</u>				
a) Suspended ceiling.	\$14,000	\$14,000	\$28,000	
b) Existing common walls. 36,000	36,000	46,560	82,560	
c) Interior face of exterior wall.	3,500	3,568	7,068	
d) Existing exposed wood floor framing.	30,803	43,000	73,803	
e) Office partition.	46,000	64,000	110,000	
f) Doors and hardware.	29,500	40,500	70,000	
g) Office flooring.	27,500	38,000	65,500	
<u>Total</u>	\$187,303	\$249,628	\$436,931	

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DETAILED ESTIMATE FANEUIL HALL MARKETS

	<u>North Market</u> <u>Building</u>	<u>South Market</u> <u>Building</u>	<u>Total -</u> <u>North and</u> <u>South Market</u> <u>Buildings</u>	<u>Market</u> <u>Building</u>
<u>Section XV - Retail area tenant allowance</u>				
a) Toilet plumbing.	\$56,000	\$61,000	\$117,000	
b) Toilet construction and finish.	17,000	18,000	35,000	
c) Openings in common walls.	22,500	19,500	42,000	
d) Existing common walls.	12,500	15,000	27,500	
e) Interior face of exterior wall.	4,300	5,000	9,300	
f) Ceilings.	30,000	32,000	62,000	
g) Brick basement floor.	41,000	44,000	85,000	
h) Ground floor, flooring allowance.	17,000	19,000	36,000	
<u>Total.</u>	<u>\$200,300</u>	<u>\$213,500</u>	<u>\$413,800</u>	

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COMPARISON OF COSTS

EXTERIORS - NORTH AND SOUTH MARKET BUILDINGS

	<u>Maximum Restoration</u>	<u>Minimum Restoration</u>	<u>Exterior Rehabilitation</u>
<u>SECTION I CLEAN OUT AND DEMOLITION</u>			
a) Clean Out	\$257,100	\$257,100	\$284,000
b) Partial Demolition	59,160	59,160	---
c) Complete Demolition	35,300	35,300	---
d) Sidewalk Demolition	8,050	8,050	8,050
	<u>\$359,610</u>	<u>\$359,610</u>	<u>\$292,050</u>
<u>SECTION II UNDERDRAINAGE AND DAMPPROOFING</u>			
a) Excavation and fill	\$ 9,400	\$ 9,400	\$ 9,400
b) Slab	6,400	6,400	6,400
c) Piping (including tunnel)	12,800	12,800	12,800
d) Dampproofing	72,000	72,000	72,000
	<u>\$100,600</u>	<u>\$100,600</u>	<u>\$100,600</u>
<u>SECTION III GRANITE WORK</u>			
a) Supply cut stone for facades	\$109,000	\$109,000	\$ 8,800
b) Supply cut stone for columns and chimney caps	19,500	---	---
c) Erect facades	50,000	50,000	4,000
d) Erect columns and chimney caps	7,500	---	---
e) Patch existing granite	7,500	7,500	7,500
f) Clean all granite	18,500	18,500	18,500
	<u>\$212,700</u>	<u>\$176,000</u>	<u>\$ 38,800</u>
<u>SECTION IV BRICKWORK</u>			
a) Erect new rear walls	\$ 32,400	\$ 32,400	\$ 5,400
b) Erect new end walls	31,350	31,350	3,150
c) Reconstruct chimney stacks	8,000	8,000	---
d) Repair common party walls	7,500	7,500	---
e) Repoint rear, end walls	9,400	9,400	9,400
f) Clean rear, end walls	18,800	18,800	18,800
h) Construct new brick sidewalks	50,325	---	---
i) Construct new concrete sidewalks	---	16,000	16,000
	<u>\$157,775</u>	<u>\$123,450</u>	<u>\$ 53,050</u>
<u>SECTION V CONCRETE WORK</u>			
a) Entries to basements	\$ 42,000	\$ 42,000	\$ 42,000
<u>SECTION VI ROUGH FRAMING</u>			
f) Frame and deck new roofs	\$ 79,200	\$ 79,200	\$ 12,000
g) Frame and sheath new dormers	12,000	12,000	1,600
h) Frame new skylights	12,600	12,600	---
k) Reframe and repair roof deck of mansards	---	---	13,500
	<u>\$103,800</u>	<u>\$103,800</u>	<u>\$ 27,100</u>
<u>SECTION VII WINDOWS, DOORS, SKYLIGHTS</u>			
a) Windows - 2nd, 3rd, 4th floors	\$204,000	\$100,640	\$100,640
b) Windows - ground floor	27,600	27,600	27,600
c) Dormers	6,500	6,500	2,000
d) Exterior doors and frames	61,500	61,500	61,500
e) Skylights	72,920	72,920	---
f) Repair front and rear facades of mansards	---	---	26,000
	<u>\$372,520</u>	<u>\$269,160</u>	<u>\$217,740</u>
<u>SECTION VIII ROOFING AND FLASHING</u>			
a) New and existing roofing	\$ 67,300	\$ 67,300	\$ 31,500
b) Flash - chimneys, skylights, dormers	7,600	7,600	---
c) Flash - common walls	19,000	19,000	19,000
d) Gutters	19,320	19,320	19,320
e) Downspouts	4,890	4,890	4,890
f) Snow guard rail	23,000	23,000	12,800
	<u>\$141,110</u>	<u>\$141,110</u>	<u>\$ 87,510</u>
<u>TOTALS, SECTIONS I - VIII</u>	<u>\$1,490,115</u>	<u>\$1,324,730</u>	<u>\$858,850</u>

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS .

Faneuil Hall Markets

SECTION I - CLEAN OUT AND DEMOLITION

a) Clean out:

North Market Building: 17 units, lots #3, 5, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25

South Market Building: 20 units, lots #2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

1. Remove all loose debris, all interior non-load bearing partitions, load bearing partitions as designated, chimney stacks as designated, existing staircases as designated, all machinery, all elevators, hoisting equipment and shaftways, all freezer and cooling equipment including all piping, insulation, partitions, ceilings and floor coverings added as part of cooling equipment, all boiler and heating equipment, all electrical equipment, wiring and connections, all plumbing, fixtures, soil pipes and roof drains, all concrete on top of wooden floor joist and floor coverings as designated, all panelling and wainscoting on party wall as designated but not including original plaster on party walls, damaged floor joists and flooring as designated, and all fill and masonry in closed up entrys, door and window openings

2. Remove all window sash, window frames, doors and door frames except those designated to be saved, and mark and retain all those designated windows, frames, doors and elements of construction to be saved by carefully coding each object, carefully recording its original location, and storing it in a safe area within the building so that these architectural elements may be easily reinstated in an undamaged condition in their original location.

3. Remove all canopies, gutters, downspouts, fire escapes, signs or appurtenances attached to the exterior of the building, except those signs designated to be saved, which will be removed and stored in a safe area within the building.

b) Partial demolition:

North Market Building: 2 units, lots #3, 5

South Market Building: 15 units, lots #2, 3, 5, 6, 7, 11, 12, 13, 14, 16, 17, 19, 20, 21, 22

1. Remove all elements above the designated original roof lines, including the enlarged and additional floors and party walls attached to the original structure. Floor joist and other lumber of appropriate dimensions will be saved to be reused in framing of new floors and roofs.

2. Remove facades to the ground level in unit #5 of the North Market building and units #5, 6, 7, 21 of the South Market building.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION I - CLEAN OUT AND DEMOLITION (continued)

c) Complete demolition and removal:

North Market Building: 3 units, lots #4, 6, 9

South Market Building: 1 unit, lot #1

1. Demolish and remove to basement level, leaving party walls with corbels and leaving basements clean. Corners of the remaining walls will be left in a safe and workmanlike condition.

2. Brace adjacent building units so that party walls will withstand pressure to fall off plumb. When demolishing end building unit #1 of the South Market building or unit #4 of the North Market building, the remaining end unit will be tied back into, and supported by, the main block of building.

3. Those timbers, lumber, granite, and objects so designated will be carefully dismantled and stored in an adjacent building to be used in the construction of new units.

d) Demolition and removal of cement sidewalks:

North Market Building: 5,500 square feet

South Market Building: 6,900 square feet

1. Demolish and remove cement sidewalks on Clinton, Commercial, North Market, South Market, Chatham Streets and Merchants Row surrounding North and South Market buildings, excepting the sidewalk area adjacent to the 3 units used by Durgin-Park and the area over the utility tunnels.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION I - CLEAN OUT AND DEMOLITION

a) Clean out cost only:

North Market Building*, 17 units @ \$6,300.	\$107,100
South Market Building, 20 units @ \$7,500.	<u>150,000</u>
Total clean out, 37 buildings.	\$257,100

b) Partial demolition of facades and/or added floors:

North Market Building, 2 units.	\$7,700
South Market Building, 15 units.	<u>51,460</u>
Total, 17 buildings partially demolished.	\$59,160

c) Complete demolition of units:

North Market Building, 3 units.	\$22,500
South Market Building, 1 unit.	<u>12,800</u>
Total, 4 buildings completely demolished.	\$35,300

d) Demolition and removal of cement sidewalks:

North Market Building*, 8,900 sq.ft. 65¢ per sq.ft..	\$3,560
South Market Building, 11,230 sq.ft. 65¢ per sq.ft..	<u>4,490</u>
Total, sidewalk demolition.	<u>\$8,050</u>

Total, Section I.	<u>\$359,610</u>
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* Excludes Durgin-Park

PHONES DUNKIRK { 7-3700
7-3701
7-3702

CENTRAL BUILDING WRECKING CO.

LUMBER

BRICK AND STEEL

BUILDING MATERIAL OF EVERY DESCRIPTION

OFFICE AND YARD

141 BOSTON STREET, COR. PARKWAY

EVERETT 49, MASS.

March 1, 1968

Architectural Heritage, Inc.
Faneuil Hall Market
Boston, Massachusetts 02109
attention of Roger Webb
Gentlemen::

In accordance with your outline specifications, we herewith confirm our budgetary prices for the clean out and demolition work on the North and South Market Buildings, North and South Market Streets, Boston.

<u>Description</u>	<u>Amount</u>
a) Clean out cost only:	
North Market Building,*17 units @ \$6,300.	\$107,100
South Market Building, 20 units @ \$7,500.	<u>150,000</u>
Total clean out, 37 buildings.	.\$257,100
b) Partial demolition of facades and/or added floors:	
North Market Building, 2 units.	\$7,700
South Market Building, 15 units.	<u>51,460</u>
Total, 17 buildings partially demolished.	\$59,160
c) Complete demolition of units:	
North Market Building, 3 units.	.\$22,500
South Market Building, 1 unit.	<u>12,800</u>
Total, 4 buildings completely demolished.	\$35,300
d) Demolition and removal of cement sidewalks:	
North Market Building*, 8,900 sq.ft.65¢ per sq.ft.. . .	\$3,560
South Market Building, 11,230 sq.ft.65¢ per sq.ft.. .	<u>4,490</u>
Total, sidewalk demolition.	.\$8,050
Total, clean out and demolition.	<u>.\$359,610</u>

* Excluding Durgin-Park

Should there be any questions regarding this estimate, please do not hesitate to contact us.

We are herewith enclosing our bill for this service.

Very truly yours,

CENTRAL BUILDING WRECKING CO.

Abraham Backman
Abraham Backman

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION II - UNDERDRAINAGE AND DAMPPROOFING

a) Excavation and fill:

North Market Building: 23 units, 1,265 lineal feet
South Market Building: 22 units, 1,430 lineal feet

1. Trench existing concrete floor approximately 3 feet wide by 3 feet deep.

2. Fill with crushed stone graded $1\frac{1}{4}$ to $5/8$ inches around 6 inch diameter perforated orangeburg pipe located approximately 1 foot above bottom of trench.

3. Orangeburg pipe shall run on center line of typical bay pitching towards service tunnel main with branches along rear wall with clean out at floor level.

b) Slab

North Market Building: 23 units, 3,795 square feet
South Market Building: 22 units, 4,290 square feet

1. Cover top of trench with new cement slab.

c) Piping

North Market Building: 535 feet
South Market Building: 535 feet

1. Cast iron pipe shall be used for all tunnel piping and shall be sleeved and caulked at tunnel wall in each bay. Each bay shall have clean out in the tunnel and another clean out in opposite end in floor.

d) Dampproofing floor:

North Market Building: 27,500 square feet
South Market Building: 32,500 square feet

1. Cut out all obstructions to general level of existing floor.

2. Sandblast clean to obtain surface to which membrane waterproofing will adhere.

3. Fill voids and depressions and level with emulsion of sand, tremco mastic (mulsomastic) and Portland cement.

4. Cover floor with 2-ply membrane waterproofing.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION II - UNDERDRAINAGE AND DAMPPROOFING

a) Excavation and fill:

North Market Building, 23 units x 55 ft. = 1,265 lineal ft.,	
@ \$3.50 per ft.	\$4,400
South Market Building, 22 units x 65 ft. = 1,430 lineal ft.,	
@ \$3.50 per ft.	<u>5,000</u>
Total.	\$9,400

b) Slab:

North Market Building, 3 ft. x 1,265 ft. = 3,795 sq.ft.,	
@ 80¢ per sq.ft.	\$3,000
South Market Building, 3 ft. x 1,430 ft. = 4,290 sq.ft.,	
@ 80¢ per sq.ft.	<u>3,400</u>
Total.	\$6,400

c) Piping:

North Market Building, 535 ft. @ \$12 per ft.	\$6,400
South Market Building, 535 ft. @ \$12 per ft.	<u>6,400</u>
Total.	\$12,800

d) Dampproofing floor:

North Market Building, 27,500 sq.ft., @ \$1.20 per sq.ft. . . .	\$33,000
South Market Building, 32,500 sq.ft., @ \$1.20 per sq.ft. . . .	<u>39,000</u>
Total.	<u>\$72,000</u>

Total, Section II.	<u>\$100,600</u>
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SECTION II - UNDERDRAINAGE
AND DAMPPROOFING

RECEIVED

MAY 23 1968

✓ *has
it*TELEPHONE
ENMORE 6-4203*The*

WATERPROOFING

COMPANY

119 CHANDLER STREET, BOSTON, MASS. 02117, P. O. BOX 347

May 27, 1968

F.H. Stahl & Assoc., Inc.
177 Milk Street
Boston, Massachusetts

Attention: Mr. F.H. Stahl

Gentlemen:

Following up our recent inspection of the basement areas in the Market District where renovations are planned, we would like to make the following comments.

We feel that the only reasonable way to alleviate the water problem would be through an underground drainage system.

As there is no sure way to determine the exact condition of each floor slab and because it is not good practice to plaster coat over masonry surfaces for hydrostatic pressure, we feel it would be impractical to make the buildings tight from inside.

Very truly yours,

THE WATERPROOFING COMPANY

Charles C. Ford
Charles C. Ford

CCF/jmh



ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION III - GRANITE WORK

a) Granite, cut and deliver 10 complete facades and 5 partial facades:

North Market Building: Lots #4, 5, 6, 9 complete; Lot #16 partial

South Market Building: Lots #1, 4, 5, 6, 7, 21 complete;
Lots #8, 9, 13, 20 partial

1. Supply all granite units shown on drawings and specified sufficiently to complete all missing or partially missing granite elevations.

2. Granite shall be of matching color and texture (Concord, Milford blue white or Chelmsford granite) and shall conform in thickness, profile and dimensions to match existing construction for each application.

3. Take field measurements for all openings and prepare shop drawings and full size layouts for keystones and arches.

4. Include delivery to site for acceptance by granite erector.

b) Granite, cut and deliver columns and chimney caps:

1. Supply 80 granite columns to replace ground level columns that have been removed, dimensions to match existing construction for each application.

2. Supply 20 granite chimney caps, dimensions to match existing construction for each chimney stack, all caps to be 4 inches thick.

3. Include delivery to site for acceptance by granite erector.

c) Granite erection - facades:

North Market Building: Lots #4, 5, 6, 9 complete; Lot #16 partial

South Market Building: Lots #4, 5, 6, 7, 21 complete;
Lots #8, 9, 13, 20 partial

1. Erect granite facades as shown on drawings, supplying sufficient back-up material and ties to existing structure to secure the granite facade to the party walls, floor framing and adjacent facades in a careful, workmanlike manner.

2. Erect partial facades by careful bracing and substitution of granite pieces for cast iron or other material that has replaced the original granite.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION III - GRANITE WORK (continued)

d) Granite erection - columns:

1. Erect 80 columns on ground level by carefully substituting these granite posts for cast iron or other posts that now exist on ground level.

e) Patching and repointing of granite:

1. Remove all loose mortar, abandoned pins and miscellaneous hardware (except as designated) and clean holes and other faults in old granite to make ready for patching.
2. Patch with a mixture of granite powder and epoxy compound to original lines and detail.
3. Repoint existing granite facades, 32½ units.

f) Cleaning of granite:

1. Sandblast by wet process all original and new granite facades.
2. Cut into new granite sufficiently to produce a matching texture with adjacent old granite.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION III - GRANITE WORK

a) Granite - cut and deliver for facades, chimney caps and columns:

North Market Building, 4½ facades @ \$22 sq.ft.	\$8,800.	\$38,600	
South Market Building, 8 facades @ \$22 sq.ft.	\$8,800.	<u>70,400</u>	
Total.			\$109,000

b) 20 chimney caps, @ \$22 sq.ft.	\$110.	\$2,200	
80 columns, ground level, @ \$22 sq.ft.	\$216.	<u>17,300</u>	
Total.			\$19,500

c) Granite erection - facades:

North Market Building, 4½ facades @ \$4,000.	\$18,000		
South Market Building, 8 facades @ \$4,000.	<u>32,000</u>		
Total.			\$50,000

d) Granite erection, chimney caps and columns:

20 chimney caps, @ \$10.	\$200		
80 columns, ground level, @ \$100.	<u>8,000</u>		
Total.			\$8,200

e) Granite - patch and repoint:

North Market Building*, 16 buildings, @ \$250.	\$4,000		
South Market Building, 14 buildings, @ \$250.	<u>3,500</u>		
Total, 30 buildings.			\$7,500

f) Granite - clean (wet process):

North Market Building*17,000 sq.ft. gross, @ 50¢.	\$8,500		
South Market Building 20,000 sq.ft. gross, @ 50¢.	<u>10,000</u>		
Total.			<u>\$18,500</u>

Total, Section III.			<u>\$212,700</u>
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* Excluding Durgin-Park

G R A N I T E
H · E · F L E T C H E R C O.
WEST CHELMSFORD MASS. 01863

July 29, 1968

Architectural Heritage
Faneuil Hall Market
Boston, Massachusetts 02109

Attention: Mr. Roger Webb

Dear Mr. Webb:

In accordance with our discussion, we confirm the following additional price estimates to our letter of July 25, 1968 for granite items for the North and South Market Buildings:

Front Bay-----	\$6,200.00 each
Columns-----	\$ 108.00 each
Sills-----	\$ 45.00 each
Chimney Cap-----	\$ 75.00 each

We appreciate very much the loan of your report on these buildings, which we return herewith.

Yours very truly,

H. E. FLETCHER CO.


William B. Horton

WBH/mjl
Enclosure

THE JOHN SWENSON GRANITE COMPANY, INC.

95 STULTS ROAD
BELMONT, MASSACHUSETTS 02178
617 - 484-5112

Feb. 5, 1968

Architectural Heritage Inc.
45 Fanuel Hall Market
South Market Street
Boston, Mass.

Re: North and South Market Sts. Buildings
Boston, Mass.

Attention: Roger Webb

Gentlemen:

We are pleased to submit the following budget estimates for furnishing granite as per drawing No. A-7 prepared by F.A. Stahl & Associates, Architects.

According to our recent conversation and meeting at the site, there are twelve and one third units to be considered, plus a separate item of eighty columns. Since drawing A-7 constitutes one item or unit, prices below are based on this from center to center of column lines of the adjoining buildings.

Based on our Swenson Gray Granite, sandwhite finish, F.O.B. trucks Concord, New Hampshire with freight allowed to job site, no Comm. of Mass. Sales or Use Tax allowed:-

One complete unit	\$ 8,800.00	400 cu. ft.
80 columns 1-3x1-3x9-0	\$ 17,300.00	1,120 " "
Total	\$ 26,100.00	1,520 " "

For any further information or assistance, do not hesitate to call on us.

Yours very truly,

THE JOHN SWENSON GRANITE CO. INC.

By: *Joseph S. Ford*



V. H. STONE

STONE MASON

GRANITE VENEER FRONTS · CHIMNEYS · WALLS & STEPS

Stone Setting and Jobbing · · · All Work Insured

Tel. 251 - 3544

50 WASHINGTON STREET



NO. CHELMSFORD, MASS.

Architectural Heritage
Faneuil Hall Market
Boston, Mass.

7-29-1963

To Mr. R. Webb

This is just a price estimate

Set Granite in 5 full bays	Each bay	\$ 5,420 . 00
Set Granite in 5 single bays	Each bay	1,700. 00
Set Granite over each window 2-stones	Each window	400. 00
Set Granite caps on Brick chimney 22 -caps	One cap	100. 00

V. H. Stone

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION IV - BRICKWORK

a) Rear walls, new construction:

North Market Building: Lots #4, 5, 6, 9 complete; Lot #16 - 4th floor only

South Market Building: Lots #1, 4 complete

1. Repair or reconstruct rear walls of North and South Market buildings as shown on drawings, where damaged or demolished.

2. All brick shall be new and shall match original brick in size, color and texture for each application.

3. All mortar for exposed exterior brickwork shall match a clean original sample of adjacent original work.

4. All coarsing and jointing of new exterior brick shall match nearest available original work.

5. Sandstone lintels shall be used in new construction or as a replacement when it is impractical to continue use of an existing lintel.

b) End walls, new construction:

North Market Building: Lot #25, new pediment on east wall

South Market Building: Lot #1, new east wall

1. Repair or reconstruct end walls as shown in drawing.

2. All brick shall be new and shall match the existing brick in the present walls. The brick size on the east end is significantly smaller, similar to the "ballast" brick size used in the construction of Faneuil Hall.

3. All mortar for exposed exterior brickwork shall match a clean original sample of adjacent original work.

4. All coarsing and jointing of new exterior brick shall match nearest available original work.

5. Sandstone lintels shall be used in new construction or as a replacement when it is impractical to continue use of an existing lintel.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION IV - BRICKWORK (continued)

- c) Reconstruct 20 chimney stacks on common walls above roof level:

1. Reconstructed chimney stacks above roof level shall conform in exterior appearance and dimensions to other existing stacks, but will not be used and do not have to meet code requirements.

- d) Common party walls - repair:

North Market Building: Lots #4, 6, 9 - two walls each lot

South Market Building: Lots #1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 - one wall each lot

1. Rebuild party wall tops to clean and secure condition for installation of new roofing. Mortar joints and brick shall conform to sizes and colors of existing common wall, as this work will be visible from loft spaces.

- e) Repoint all existing brick rear and end walls:

North Market Building: 16 units totaling 17,500 gross square feet

South Market Building: 20 units totaling 20,100 gross square feet

- f) Clean all existing brick rear and end walls:

North Market Building: 16 units totaling 17,500 gross square feet

South Market Building: 20 units totaling 20,100 gross square feet

- g) Cut typical openings in common walls:

1. Cut 7 standard openings on 2nd, 3rd, 4th, and 5th levels in party walls as shown on drawings so as to provide continuous openings through all levels, as set forth.

2. Coordinate with rough carpentry for installation of wood lintels to receive existing floor timbers over new openings.

3. Carefully dress all corners square with matching brick where exposed.

- h) Construct new brick sidewalks:

North Market Building: 8,900 square feet on Clinton, Commercial, North Market and Merchants Row

South Market Building: 11,230 square feet on Chatham, Commercial, North Market and Merchants Row

1. Brick sidewalks to be laid in mortar bed and all joints grouted with mortar.

2. All brick shall be new and shall match original sidewalk brick in size, color and texture, to match sample to be supplied.

Faneuil Hall Markets

* Excluding Durgin-Park

MASONRY CONTRACTOR

ANASTASI BROTHERS CORPORATION

HOME OFFICE: 300 E. MT. AIRY AVE. • PHILADELPHIA, PA. 19119 • Phone (215) 243-5200
BRANCH OFFICE: 853 PLAIN STREET • MARSHFIELD, MASS. 02050 • Phone (617) 834-6554

June 24, 1968

Architectural Heritage, Inc.
Faneuil Hall Market
South Market Street
Boston, Massachusetts

Attention: Mr. Roger Webb

Re: Faneuil Hall Market Project

Gentlemen:

Herewith please find one copy of the labor and material breakdown for the above-mentioned project.

The breakdown includes labor, material, staging and hoisting. It does not include insurance, taxes, overhead and profit which must be added to the job cost. Also, the prices are only an approximation and are subject to change.

Very truly yours,

ANASTASI BROTHERS CORPORATION



Anthony J. Aliberti
Estimator

AJA:mmd
Enclosure

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION V - CONCRETE WORK

a) Entries to basements - rear:

North Market Building: 20 units, all except Durgin-Park lots #10, 11, 12
South Market Building: all 22 units

1. Construct new basement entry stairways as shown on drawing and located at rear of unit as shown on plan.

2. Location of basement entry on four end units shall be determined after sidewalk excavation. Alternative location, if selected, may be through end wall.

The relatively small amount of other concrete work necessary is incorporated into other sections; such as, the repair of basement floor after installing drains is incorporated into Section II, Underdrainage and Dampproofing.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST
NORTH AND SOUTH MARKET BUILDINGS .
Faneuil Hall Markets

SECTION V - CONCRETE WORK

a) Entry stairway (rear) to basements

North Market Building*, 20 entries @ \$1,000.	\$20,000
South Market Building, 22 entries @ \$1,000.	<u>22,000</u>

Total. \$42,000

* Excluding Durgin-Park

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION VI - ROUGH FRAMING

a) Frame new floors:

North Market Building: Lots #4, 6, 9, 25

South Market Building: Lots #1, 4

1. Frame 5 floors of each unit with timbers salvaged from demolition specified under Section I and saved from dismantled units, or frame with equally dimensioned new or used lumber. New, used or reused timbers shall be inconspicuously marked with a burning iron to identify their year of incorporation into, or relocation within, the structure.

2. All rough hardware shall be furnished and installed as required for proper completion of rough framing.

3. Deck over the floor framing with plyscore and sufficient fire resistant material to achieve a fire rating equivalent to 2 inch planking.

b) Frame new galleries:

South Market Building: Lots #1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 16, 17, 19, 20, 21

1. Frame new galleries of each unit with timbers salvaged from demolition specified under Section I and saved from dismantled units, or frame with equally dimensioned new or used lumber. New, used or reused timbers shall be inconspicuously marked with a burning iron to identify their year of incorporation into, or relocation within, the structure.

2. All rough hardware shall be furnished and installed as required for proper completion of rough framing.

3. Deck over the gallery framing with 1 inch plyscore.

c) Lower floors previously raised:

South Market Building: Lots #2, 3, 5, 6, 7, 11, 12, 13, 14, 16, 17, 19, 20, 21

1. Lower floors onto original corbels that were raised when units had extra floor added.

ARCHITECTURAL HERITAGE

FANFUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION VI - ROUGH FRAMING (continued)

d) Floor over existing openings:

North Market Building: Lots #3, 5, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

South Market Building: Lots #2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

1. Close existing shafts, floor over existing openings and frame and floor over stairway and elevator shafts that have been removed. Shore up as demolition of elevator masonry walls proceeds.

e) Level rough flooring:

North Market Building: Lots #3, 5, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

South Market Building: Lots #2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

1. Level one-half of the floor areas with 3/4 inch plywood.

f) Frame and deck new roofs:

North Market Building: Lots #3, 4, 5, 6, 9, 16, 20, 25

South Market Building: Lots #1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 16, 17, 19, 20, 21

1. Frame roof of each unit with timbers salvaged from demolition specified under Section I and saved from dismantled units, or frame with equally dimensioned new or used lumber. New, used or reused timbers shall be inconspicuously marked with a burning iron to identify their year of incorporation into, or relocation within, the structure.

2. Deck roof with 3/4 inch plyscore.

g) Frame and sheath new dormers:

North Market Building: Lots #3, 4, 5, 6, 9, 16, 20, 22, 23, 24, 25

South Market Building: Lots #1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

1. Frame dormers and sheath 30 units, front and back totaling 60 dormers, in new and old roof decks, as shown on drawings.

h) Frame new skylights:

North Market Building: all except Durgin-Park lots #10, 11, 12

South Market Building: all lots

1. Cut out and block in skylight openings as shown on drawings.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION VI - ROUGH FRAMING (continued)

i) Frame typical common wall openings:

North Market Building: all except 5 Durgin-Park common walls

South Market Building: all common walls

1. Frame 7 openings per wall specified in Section IV - g as cut including furred space for pipe and air shafts.

j) Roof insulation and ceiling finish:

North Market Building: 23,000 square feet

South Market Building: 23,000 square feet

1. Insulate roof and finish off ceiling of loft.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION VI - ROUGH FRAMING

a) Floors - frame and deck new:

North Market Street, 4 buildings new @ \$15,000.	\$60,000	
South Market Street, 2 buildings new @ \$15,000.	<u>30,000</u>	
Total.		\$90,000

b) Galleries - new framing and deck:

North Market Street - none		
South Market Street, 16 buildings @ \$1,200.		\$19,200

c) Floors - lower 5th floors:

North Market Street - none		
South Market Street, 14 buildings @ \$500.		\$7,000

d) Floors - close openings in floors:

North Market Street, 16 buildings, 160 shafts @ \$150.	\$24,000	
South Market Street, 20 buildings, 200 shafts @ \$150.	<u>30,000</u>	
Total.		\$54,000

e) Floors - level overlay plyscore:

60 floors (1/3 of existing floors) @ \$700.		\$42,000
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f) Roof - new framing and deck:

North Market Street, 8 buildings @ \$3,300.	\$3,300	
South Market Street, 16 buildings @ \$3,300.	<u>52,800</u>	
Total, 24 buildings.		\$79,200

g) Dormers - new framing:

North Market Street, 20 dormers @ \$200.	\$4,000	
South Market Street, 40 dormers @ \$200.	<u>8,000</u>	
Total, 60 dormers.		\$12,000

h) Skylight - new framing:

North Market Street*, 20 buildings @ \$300.	\$6,000	
South Market Street, 22 buildings @ \$300.	<u>6,600</u>	
Total.		\$12,600

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION VI - ROUGH FRAMING (continued)

i) Frame openings cut in party walls:

North Market Street, 126 cuts	@ \$150.	\$18,900
South Market Street, 147 cuts	@ \$150.	<u>21,500</u>
Total, 273 cuts.		\$40,400

j) Insulation and interior roof finish:

North Market Street*, 23,000 sq.ft. @ 60¢.	\$13,800
South Market Street, 23,000 sq.ft. @ 60¢.	<u>13,800</u>
Total.	<u>\$27,600</u>

Total, Section VI.	<u>\$384,000</u>
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* Excluding Durgin-Park

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION VII - WINDOWS, DOORS AND SKYLIGHTS

a) Windows, 2nd, 3rd, 4th floors:

North Market Building: 448 window units
South Market Building: 572 window units

1. All window units are exact reproductions of original double-hung sash with casement. If an original element such as the frame is in sufficiently good condition to be used again, it may be scraped, painted and reinstalled. It is assumed all window sash will be replaced with new sash that is an exact reproduction of the original sash.

2. All window units will be primed, painted and glazed and if unit contains elements of original unit, all restored parts must be equal in appearance and serviceability to new units.

3. All units to be installed and double-hung sash serviceable.

b) Windows, ground floor and basement:

North Market Building: 132 window units
South Market Building: 144 window units

1. All windows on ground floor and basement to be fixed sash and exact reproductions of original.

2. All units to be glazed, primed and painted.

3. All units to be installed.

c) Dormers:

North Market Building: 40 window units
South Market Building: 44 window units

1. All window units to be exact reproductions of original double-hung sash.

2. All units to be glazed, primed and painted.

3. All units to be installed.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION VII - WINDOWS, DOORS AND SKYLIGHTS (continued)

d) Exterior doors and frames:

North Market Building: 84 doors

South Market Building: 92 doors

1. All exterior door units to be exact reproductions of original double door units with hardware of similar design as shown.

2. All units to be primed and painted.

3. All units to be installed.

e) Skylights:

North Market Building: 40 units totaling 3,420 square feet

South Market Building: 44 units totaling 3,872 square feet

1. Skylights to be fixed wood solar glass as shown on drawing.

2. All units to be primed and painted.

3. All units to be installed.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION VII - WINDOWS, DOORS, SKYLIGHTS

a) Windows - 2nd, 3rd, 4th floors, double-hung sash with casement:

North Market Building*, 448 windows @ \$200.	\$89,600	
South Market Building, 572 windows @ \$200.	<u>114,400</u>	
Total, 1,020 windows.		\$204,000

b) Windows - ground floors, fixed sash ;

North Market Building*, 132 windows @ \$100.	\$13,200	
South Market Building, 144 windows @ \$100.	<u>14,400</u>	
Total, 276 windows.		\$27,600

c) Dormers - double-hung sash with casement, front and rear:

North Market Building*, 40 dormers @ \$75.	\$3,000	
South Market Building, 44 dormers @ \$75.	<u>3,500</u>	
Total, 84 dormers.		\$6,500

d) Doors and frames:

North Market Building*, 84 doors @ \$350.	\$29,400	
South Market Building, 92 doors @ \$350.	<u>32,100</u>	
Total, 176 doors.		\$61,500

e) Skylights:

North Market Building*, 3,420 sq.ft. @ \$10.	\$34,200	
South Market Building, 3,872 sq.ft. @ \$10.	<u>38,720</u>	
Total, 7,292 sq.ft..		<u>\$72,920</u>

Total, Section VII.		<u>\$372,520</u>
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* Excluding Durgin-Park

Proposal

Page No. 1
of 2 Pages

SUPPLIED GLASSED

J. B. SASH & DOOR CO., INC.

Windows - Doors - Frames - Millwork
Manufacturers and Distributors

339 Franklin St.

Cambridge, Mass.

UN 4-5250

PROPOSAL SUBMITTED TO:

PHONE:

523-8678

DATE:

3/22/68

NAME:

Architectural Heritage Inc.

JOB NAME:

Quincy Market

STREET:

Faneuil Hall Market

STREET:

CITY:

South Market Street
Boston

CITY:

Boston

STATE:

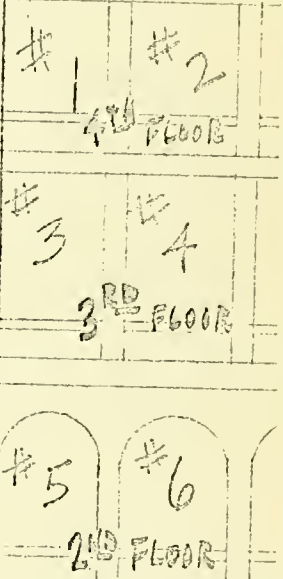
Mass.

ARCHITECT:

TYPICAL
UNITS

We hereby submit specifications and estimates for:

	Window	Frame	Balance
1st Floor Front { Type 1	\$ 66.00	\$ 57.90	\$ 12.00
Type 2	\$ 70.00	\$ 78.00	\$ 12.00
3rd Floor Front { Type 3	\$ 70.00	\$ 78.00	\$ 12.00
Type 4	\$ 73.00	\$ 82.00	\$ 12.00
2nd Floor Front { Type 5	\$ 190.00	\$ 194.00	\$ 12.00
Type 6	\$ 222.00	\$ 207.00	\$ 12.00
4th Floor Back { Type 7	\$ 41.50	\$ 44.00	\$ 12.00
Type 8	\$ 54.00	\$ 48.00	\$ 12.00
3rd Floor Back Type 9	\$ 60.00	\$ 48.00	\$ 12.00



See page 2 for cont.

We hereby propose to furnish ~~labor~~ and materials — complete in accordance with the above

As noted

dollars (\$ As noted) with

Upon future arrangements.

GROUND FLOOR

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature

James B. Sash

NOTE: This proposal may be withdrawn by us if not accepted within 90 days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date _____

Signature _____

Proposal

 Page No. 2
 of 2 Pages

J. B. SASH & DOOR CO., INC.

Windows - Doors - Frames - Millwork

Manufacturers and Distributors

339 Franklin St.

Cambridge, Mass.

UN 4-5250

PROPOSAL SUBMITTED TO:

PHONE:

523-8678

DATE:

3/22/68

NAME:

Architectural Heritage Inc.

JOB NAME:

Quincy Market

STREET:

Faneuil Hall Market

STREET:

CITY:

 South Market Street
 Boston

CITY:

Boston

STATE:

Mass.

STATE:

Mass.

ARCHITECT:

DATE OF PLANS:

We hereby submit specifications and estimates for:

	Window	Frame	Balances
3 rd Floor Type 10	\$ 70.00	\$ 52.00	\$ 12.00
2 nd Floor Type 11	\$ 60.00	\$ 48.00	\$ 12.00
Back Type 12	\$ 70.00	\$ 52.00	\$ 12.00

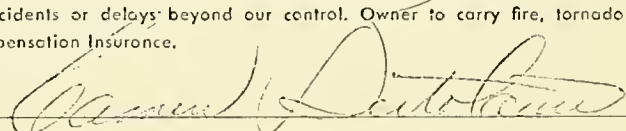
 We hereby propose to furnish ~~selected~~ materials — complete in accordance with the above specifications, for the sum of:

 As noted dollars (\$ As noted) with payment to be made as follows:

Upon future arrangements

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature:



 NOTE: This proposal may be withdrawn by us if not accepted within 90 days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date _____ Signature _____

Proposal

 Page No. 1
 of 2 Pages

J. B. SASH & DOOR CO., INC.

 Windows - Doors - Frames - Millwork
 Manufacturers and Distributors

339 Franklin St.

Cambridge, Mass.

UN 4-5250

PROPOSAL SUBMITTED TO:

PHONE:

523-8678

DATE:

3/21/68

NAME:

Architectural Heritage, Inc.

JOB NAME:

Quincy Market

STREET:

Faneuil Hall Market

STREET:

CITY:

South Market Street
Boston

CITY:

Boston

STATE:

Mass.

STATE:

Mass.

ARCHITECT:

DATE OF PLANS:

We hereby submit specifications and estimates for:

As marked on plan by Mr. Bertolami:

4th Floor
 Front { Type 1 \$ 135.90 each.
 Type 2 \$ 160.00 each.
 3rd Floor { Type 3 \$ 160.00 each.
 Type 4 \$ 167.00 each.
 2nd Floor { Type 5 \$ 396.00 each.
 Type 6 \$ 441.00 each.
 \$ 1760.00

4th Floor
 Rear { Type 7 \$ 97.50 each.
 Type 8 \$ 114.00 each.
 3rd Floor { Type 9 \$ 120.00 each.
 Type 10 \$ 134.00 each.
 2nd Floor { Type 11 \$ 120.00 each.
 Type 12 \$ 134.00 each.
 \$ 720.00

 Above figured to detail and includes windows, frames, balances,
 and all exterior trim. NO INTERIOR TRIM FIGURED.

See page # 2 for cont.

We hereby propose to furnish ~~work~~ and materials — complete in accordance with the above specifications, for the sum of:As noted _____ dollars (\$ As noted) with payment to be made as follows:

upon future arrangements.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature

NOTE: This proposal may be withdrawn by us if not accepted within 90 days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date _____ Signature _____

Proposal

 Page No. 2
 of 2 Pages

J. B. SASH & DOOR CO., INC.

Windows - Doors - Frames - Millwork

Manufacturers and Distributors

339 Franklin St.

Cambridge, Mass.

UN 4-5250

PROPOSAL SUBMITTED TO:		PHONE: <u>523-8678</u>	DATE: <u>3/21/68</u>
NAME: <u>Architectural Heritage Inc.</u>		JOB NAME: <u>Quincy Market</u>	
STREET: <u>Faneuil Hall Market</u>		STREET:	
CITY: <u>South Market Street</u> <u>Boston</u>		CITY: <u>Boston</u>	STATE: <u>Mass.</u>
STATE: <u>Mass.</u>		ARCHITECT:	DATE OF PLANS:

We hereby submit specifications and estimates for:

Prices on lineal footage:

Exterior moulded casing long lengths,	\$ 1.10 per foot.
Exterior moulded large moulding.	\$.60 per foot.
Exterior moulded small moulding.	\$.35 per foot.

Delivery as mentioned to Mr. Roger Webb.

Thank you for the opportunity to quote you.

 We hereby propose to furnish ~~work~~ and materials — complete in accordance with the above specifications, for the sum of:

As noted dollars (\$ As noted) with payment to be made as follows:

Upon future Arrangements.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

 Authorized Signature *James B. Bortolone*

 NOTE: This proposal may be withdrawn by us if not accepted within 90 days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date _____ Signature _____

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION VIII - ROOFING AND FLASHING

a) New and existing slate roofing:

North Market Building: 8 units new slate roofs, 12 units replace 25%
existing roof; total 14,510 sq.ft.
South Market Building: 5 units new slate roofs, 17 units replace 25%
existing roof; total 30,400 sq.ft.

1. Slate 13 new units with New England or Virginia slate that corresponds in color and size to original slate. Slate 29 existing units that will be repaired with slate of color and size corresponding to existing slate on roof unit.

2. Slate all sides and roofs of dormers.

b) Flashing - chimneys, skylights and dormers:

North Market Building: All units, total 1,800 sq.ft.
South Market Building: All units, total 2,000 sq.ft.

1. Flash all chimneys, skylights and dormers with copper flashing.

c) Flashing - common walls:

North Market Building: 10 walls, total 2,800 sq.ft.
South Market Building: 21 walls, total 6,700 sq.ft.

1. Flash common walls that protrude 1 foot above roof level with copper flashing.

d) Gutters:

North Market Building: total 892 lineal feet
South Market Building: total 1,040 lineal feet

1. Gutters to be 20 ounce cold rolled plain domestic copper. Cross bars to be $\frac{1}{4}$ inch x 1 inch copper.

2. Strainers in outlets to be copper.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION VIII - ROOFING AND FLASHING (continued)

e) Downspouts:

North Market Building: total 790 lineal feet

South Market Building: total 840 lineal feet

1. Downspouts to be 16 ounce plain round copper, 3 inches in diameter carried into cast iron pipe.

f) Snow guard rail and snow cleats:

North Market Building: total 892 lineal feet

South Market Building: total 1,040 lineal feet

1. Snow rail to be 2 rail hot dipped galvanized with brackets spaced every 4 feet and properly flashed into slate roof. Snow cleats will be placed on specified roofs above heavily trafficked doorways and entries, 1 cleat per 5 square feet.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST NORTH AND SOUTH MARKET BUILDINGS Faneuil Hall Markets

SECTION VIII - ROOFING AND FLASHING

a) Roof - slate:

North Market Building,*	14,510 sq.ft. @ \$1.50.	\$21,800	
South Market Building,	30,400 sq.ft. @ \$1.50.	<u>45,500</u>	
Total.			\$67,300

b) Flash - chimneys, skylights, dormers:

North Market Building,*	20 roofs @ \$180.	\$3,600	
South Market Building,	22 roofs @ \$180.	<u>4,000</u>	
Total.			\$7,600

c) Flash - party walls:

North Market Building,*	2,800 sq.ft. @ \$2.	\$5,600	
South Market Building,	6,700 sq.ft. @ \$2.	<u>13,400</u>	
Total.			\$19,000

d) Copper gutters:

North Market Building,*	892 ft. @ \$10.	\$8,920	
South Market Building,	1,040 ft. @ \$10.	<u>10,400</u>	
Total.			\$19,320

e) Downspouts:

North Market Building,*	790 ft. @ \$3.	\$2,370	
South Market Building,	840 ft. @ \$3.	<u>2,520</u>	
Total.			\$4,890

f) Snow guard rail:

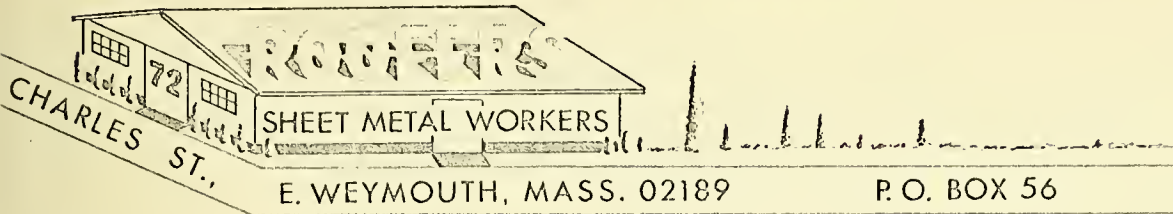
North Market Building,*	892 ft. @ \$12.	\$10,600	
South Market Building,	1,040 ft. @ \$12.	<u>12,400</u>	
Total.			<u>\$23,000</u>

Total, Section VIII.			<u>\$141,110</u>
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* Excluding Durgin-Park

J. T. CAZEALT & SONS, INC.

Cape Cod Branch Office
MAIN STREET
OSTERVILLE, MASS.
428-6812



June 7, 1968

Architectual Heritage Inc.
Faneuil Hall Market
Boston, Massachusetts 02109

Attention : Roger Webb

The following is a list of unit prices and approximate total costs for roofing and sheet metal work on the North and South Market Street restoration.

1.) Approximately 70,000 square feet of slate roof. I would budget \$1.40 per sq. ft. due to the fact that there is not enough of the color you desire available in New England. The \$1.40 price is for Virginia Slate.

BUDGET: \$98,000.00

This will cover the cost of laying the slate with the necessary flashings around chimneys, vents, and skylights.

2.) Gutter: Approximately 2060 lineal feet. Budget \$20.00 a foot= \$41,200.00.
Gutter to be 20 ounces cold rolled plain domestic copper, formed with and 0.6 and to have a face bar of $\frac{1}{4}$ x1" hot dipped galvanized. Cross bars are to be $\frac{1}{4}$ x1" copper.
Bolts- Brass- $\frac{1}{4}$ "
Strainers in the outlets- copper.
Drip Strip on bottom to be copper if against wood and lead if against stone.

3.) Downspouts- Figure \$3.00 lineal feet installed.
Downspouts to be 16 oz. plain round copper, 3" in diameter carried into cast iron pipe furnished by others. Where 2 outlets come together, they shall be connected to a single pipe and copper oval shaped funnel.

4.) Snow Rail- 2060 lineal feet at \$15.00 a foot. This equals \$30,900.00. Snow rail to be 3 rail hot dipped galvanized with brackets spaced every 4 feet and properly flashed into slate roof.

I think that should cover everything, but if I forgot anything give me a call.

Yours very truly,
J.T. CAZEALT & SONS INC.
Jon T. Cazealt
Jon T. Cazealt

jfn

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS FOR NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION IX - CORES AND PUBLIC AREAS FOR OFFICE FLOORS

a) Framing

1. New steel framing for concrete areas

- i. Provide six (6) 22' long 12WF31 beams spanning from existing masonry bearing walls and trimmed with five (5) 20# channels to frame openings for elevator shafts, stair shafts and vertical core chases.
- ii. Include all necessary fabrication, erection, connections and appurtenances for completion of steel framing as called for in structural drawings and specifications.
- iii. Provide miscellaneous trimming of openings through existing ground floor construction to elevator machine rooms and pits, all as drawn and specified.

2. Fireproof steel

- i. Completely fireproof all structural steel framing continuously to existing masonry bearing walls, providing a cover of thickness as required by Code and utilizing an approved asbestos fiber compound applied in conformance to manufacturer's specifications and code requirements.

3. Wood joist, deck and concrete fill

- i. Replace wood joists framing to new steel beams for toilet room and lobby floors, undersides of joists to remain exposed.
- ii. Floor over with wood deck of 3/4" plywood, underside paint grade for paint finish.
- iii. Provide 2" concrete fill over wood deck for setting base of ceramic floor of lavatories and lobby flooring.

b) Stairs

1. Provide and install all metal channel string and metal pan tread stairs as shown on drawings. Stairs shall be furnished and installed complete with all landings, rails and necessary hardware for erection, and pans shall receive standard granolithic fill and finish.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION IX - continued

2. Stair enclosing walls shall be of 3/4" rigid metal channel and wire lath, 2" thick solid plaster integral with fireproofing of steel floor beams to form a continuous fire rated shaft in compliance with code requirements for rated egress stair enclosures.
3. Stair doors and hardware shall carry "B" label and be of approved egress type, hollow metal with remiculite fill in filled pressed metal frame complete with standard cast-in metal threshold, automatic closer and approved panic hardware.

c) Elevators

1.
 - i. Elevators for North Market Street core areas shall be 2000# cars, operating in paired shafts, underslung type, speed of 300 feet per minute.
 - ii. Allowance for cab finish \$1,500/cab
2. Elevators for South Market Street core areas shall be 2500# cars, operating in paired shafts, underslung type, 300 feet per minute.
3. Controls shall be as recommended by Payne Elevator Company, and in no event less than accepted commercial office building standard for operation of paired cars in low rise service.
4. One car in each bank of 2 shall be equipped with removable ceiling and extended hood for freight service, and shall be furnished with integral hangers and service mats for protection of car finish.

d) Public toilets

1. Plumbing
 - i. Provide all necessary domestic hot and cold water piping, waste and vent piping complete with all required fittings from district system connection joints to accomplish complete, legal and functioning plumbing system for office core toilets.
 - ii. Provide and install all plumbing fixtures including washbasins, w.c.'s, urinals and service sinks as called for on drawings and specifications.
2. Public toilet enclosing walls
 - i. All toilet enclosing walls shall be of 2" solid plaster construction as specified for rated stair enclosures under b) 2. above.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION IX - continued

3. Full ceramic tile

- i. Floors shall receive full ceramic tile finish in deep mortar setting to concrete floor fill, complete with all necessary marble saddles for openings. Tile shall be 4" x 4" ceramic.
- ii. Walls shall receive full height 4" x 4" ceramic tile finish, deep mortar setting, to 2" solid plaster partition, complete with all nosings, bases and required shapes to form a fully integrated enclosing surface.

4. Toilet doors and hardware

- i. Toilet doors and hardware shall be of hollow metal in pressed metal frames, complete with automatic closers and building standard core area latch sets and hinges.

5. Toilet accessories

- i. All toilet accessories shall be of polished stainless steel, fully recessed where wall mounted and integrated with wall tile setting pattern.
- ii. Toilet accessories shall include soap dispensers for each washbasin, towel dispenser and towel disposer, sanitary napkin dispenser and disposer where appropriate, full polished plate glass mirror for washbasin area and for vestibule of women's toilet, vanity shelf for women's toilet.

6. Toilet partitions

- i. All w.c.'s shall be provided with ceiling hung partitions and doors, enamelled steel hollow metal construction, in colors to be selected, with stainless steel hardware and accessories.
- ii. Privacy services as required in detail plans shall conform to above.

7. Toilet room ceilings

- i. Ceilings for all toilet areas shall be of suspended perforated pressed metal with enamel finish factory applied.
- ii. All toilet room ceilings shall be furnished and installed with lay in batts of fiberglas acoustical insulation as recommended by ceiling system manufacturer.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION IX - continued

e) First aid (fire) stations

1. First aid station shall be provided in accordance with code requirements, complete with recessed hose cabinet and all necessary and required fittings, one (1) first aid station at each stair landing throughout office areas.

f) Lobby finish

1. Lobby finishes, typical office wall finish

- i. Walls of public office floor lobbies and required public corridors for office occupancy shall receive vinyl wall covering to be selected from a mid-range of fabrics.
Allowance of 60¢/sq. ft. of wall area

2. Typical lobby floor finish

- i. Floors of tenant standard public elevator lobby and required public corridor shall be of 1/8" vinyl asbestos tile in color to be selected from building standard range.
Allowance of 30¢/sq. ft. of floor area

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS .

Faneuil Hall Markets

SECTION IX - CORE AREAS AND PUBLIC AREAS FOR OFFICE FLOORS

- a) 1. New steel framing for elevator shafts, stair openings and chases.

typical floor 6/22' long 12 WF 31 = 4000 lbs

5/20 lbs [trimmers = 1600 lbs

add for bolts & connections 5% 6000 lbs/floor

@ 50¢ erected \$3,000.00

24 typical units

(floors 2, 3, 4, & 5)

\$72,000.00

miscellaneous framing for penetration of ground floor

6 units

\$3,000.00

Total Steel Erected

\$ 75,000.00

2. Fireproofing of steel @ \$2.00/sq.ft.
of surface

3' x 66' x 2 x 24 = 9404 lbs.

@ \$2.00

\$ 19,000.00

3. Wood joist and deck and concrete fill.

680 sq. ft. / core unit x 24 = 16,200 sq.ft.

@ \$2.75

\$ 44,200.00

- b) 1. Stairs/metal pan and fill

2/10' flights/core unit x 24 units =
48 flights

@ \$1000/flight

\$ 48,000.00

2. Stair enclosing walls
2" solid plaster partition

80' lineal/core unit x 10' high = 800 sq.ft.

per unit

x 24 = 19,200 sq. ft.

@ \$1.50/sq. ft.

\$ 30,000.00

3. Stair doors & hardware

A \$280/opening x 48 openings

\$ 12,000.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

c) Elevators (underslung electric)

1. 6 cars @ 2000 lbs. @ 300 f.p.m.
@ \$32,000/car = \$ 192,000.00
2. 6 cars @ 2500 lbs. @ 300 f.p.m.
@ \$35,000/car = \$ 210,000.00

d) 1. Public toilet plumbing 12 fixtures per core unit x 24 core units x \$450 /fixture \$ 129,600.00

2. Toilet construction and finish
partition 120 lineal x 9 = 1080
(2" solid plaster)
x 24 = 25,920 sq. ft. @ \$1.50 /sq. ft. \$ 38,880.00

3. Ceramic (full walls and floor)
floor /unit 256 sq. ft. @ \$1.75/sq. ft. \$ 450
walls /unit 1080 @ \$2.00/sq. ft. 2,160
\$2,610
x 24 = \$ 61,640.00

4. Toilet doors and hardware
200/opening 3/unit x 24 = 72 \$ 14,400.00

5. Toilet accessories @ \$500 x 24 units \$ 12,000.00

6. Toilet partitions @ \$500/unit x 24 = \$ 12,000.00

7. Toilet room ceilings
Keine am. plaster or suspended
perforated metal pan
6000 sq. ft. x \$1.25/sq. ft. = \$ 7,500.00

e) First Aid (Fire) Stations \$ 14,400.00

f) Public Area finishes:

1. Walls 72' lineal feet
mid range vinyl @ 60¢ /sq.ft.
72 x 9 x 24 = 15,550 sq. ft.
@ 60¢ = \$ 9,330.00
2. Floor vinyl asbestos tile @ 30¢
375 sq. ft. x 24 x .30¢ = \$ 2,700.00

TOTAL, SECTION \$932,650.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

NORTH AND SOUTH MARKET BUILDINGS

FANEUIL HALL MARKETS

SECTION X - BUILDING ENTERANCES AND PASSAGEWAYS

a) Lobby Finishes

Lobby floors shall be brick and to correspond in color, texture and size of brick in adjacent sidewalk. Finish with hard wax, buffed out.

Existing common walls presently of exposed brick shall be cleaned by steam cleaning or wet sandblasting to provide a fully exposed brick surface, free from accumulations of mortar or foreign material and relatively uniform in appearance.

All existing exposed framing of the floor above that is original to the building shall be thoroughly cleaned by scrubbing with stiff brushes and hot lye solution or by steam cleaning with chemical additives. When existing wood flooring has been entirely painted, provide for cleaning and repainting as directed for color and pattern.

When original brick wall or wood floor joist are missing or damaged beyond point of restoration, provide for plastering and 2 coats of paint as directed for area, color and pattern.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

FANEUIL HALL MARKETS

SECTION X - BUILDING ENTRANCES AND PASSAGEWAYS

a) Lobby finishes

1,330 sq. ft. @ \$5 per sq. ft., times 3 entries North Mkt.	\$20,000
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1,400 sq. ft. @ \$5 per sq. ft., times 3 entries South Mkt.	<u>21,000</u>
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TOTAL	<u><u>\$41,000</u></u>
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ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION XI - DISTRICT SYSTEM GENERAL CONSTRUCTION

a) Heat Sink Tank

1. Provide all excavating, sheeting, shoring, bracing and pumping to excavate and maintain excavation for erection of framework and placing of concrete for heat sink tank construction.
2. Provide all framework and stripping required to construct heat sink tank.
3. Provide all reinforcing and installation of reinforcing for heat sink tank.
4. Provide all concrete and placing and finishing of concrete.
5. Provide all backfilling and reconstruction of street paving for completion of heat sink tank construction.
6. All piping and equipment required for complete installation specified under H.V. A/C provide sleeves - and miscellaneous cart-in hardware to accomodate equipment.

b) Tunnel Construction

1. Provide all excavation, sheeting, shoring, bracing and pumping to excavate and maintain excavation for erection of framework and placing of steel and concrete to construct utility tunnel along faces of buildings after demolition of existing sidewalk slabs and sidewalk vault partitions.
2. Provide all framework and stripping required to construct grade slabs, wall footings, walls, curb haunches, and new suspended sidewalk slabs.
3. Provide all reinforcing and installation for complete performance of concrete tunnel work.
4. Provide all concrete, placing and finishing for complete performance of concrete tunnel work.
5. Provide all backfilling to restore original rough grading for replacement of street paving specified elsewhere.
6. Provide and install all concrete block, split block, soaps etc. required to fill existing openings to building basements and to dress resulting common basement wall on tunnel side.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION XI - DISTRICT SYSTEM GENERAL CONSTRUCTION (Continued)

7. Provide and install all necessary sleeves for standard utility tunnel service connections to building basements.

c) Waterproofing Tunnels

1. Provide and install all cement waterproofing for tunnel grade slabs and walls to a height of 2'-0" above mean high water.
2. Cement waterproofing shall be Low Bay, Ironite or other approved ferrous waterproofing cement specifically manufactured for this purpose.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION XI DISTRICT SYSTEM GENERAL CONSTRUCTION

a) 1. Heat sink tank.

excavation	\$ 7,200
concrete tank	15,000
sheeting @ 7.50/ sq.ft.	50,000
pumping	<u>10,000</u>

Total cost for three
buildings \$82,200

Allocate 35% total cost to North \$28,600
45% total cost to South 37,000

=

\$ 65,600.00

b) Tunnel Construction, Under Sidewalk Along Face of
Building, Where No Vaults Presently Exist.

1. Supported slab: Finish
8" concrete
Reinforced Steel
= \$2.50/sq.ft. \$20/LF

1 Wall: 10" concrete
Reinforced Steel
= \$3.75/sq.ft. \$45/LF

Slab on Grade: Finish
3" Slab = \$1.00/sq.ft. \$6/LF

Excavation &
Backfill: @ \$5/yard \$27/LF

Wall Footing &
Haunch @ Curb \$25/LF

Blockwall facing @ \$1.50/sq.ft. \$12/LF

Total Unit Cost of Lineal Foot = \$135/LF

Tunnel Construction Under Sidewalks along Face of
Building Where Vaults Exist:

Demolition & Excavation	
(Not including Sidewalks)	\$12/LF
New Supported Slab	36/LF
Block wall & Dressing	
existing walls =	<u>12/LF</u>
Total Unit Cost of Lineal Foot =	\$ 60/LF

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION XI DISTRICT SYSTEM GENERAL CONSTRUCTION (Continued)

Construction of Utility Tunnel Under Sidewalks:

North Market Street 325 LF @ \$135/LF = \$44,000
North Market Street 200 LF @ \$ 60/LF = 12,000
North Market Street Pumping Allowance
For Tunnel Construction = 10,000
\$66,000

South Market Street - Same as Above \$66,000

\$132,000.00

2. Cross Links

80'South Market @ \$170 = \$13,500
50'North Market @ \$170 = 8,500
\$22,000

Pumping (Est.) 3,000
\$25,000

North Market \$10,000
South Market \$15,000

=

\$ 25,000.00

3. Cement W.P. of Tunnel System:

@ \$1.25/sq. ft.

North & South: 6' high x 7' w. x 6' high = 19'
19 x 525 x 2 = 21,000 sq. ft.

21,000 sq. ft. x @ \$1.50 = \$31,500

Waterproofing

North and South Links: 19 x 130 = 2,500 sq.ft.

2,500 sq. ft. x @ \$1.25 = \$ 4,590

=

\$ 36,090.00

TOTAL, SECTION XI\$258,690.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

BY PROGRESSIVE CONSULTING ENGINEERS, INC. - refer to their report for specifications

SECTION XII - HEAT, VENTILATION, AIR CONDITIONING

a) District System H.V. A/C

1. Central Plant Equipment (Heating & Cooling System)

North Market 35% of \$160,000* (Full Capacity) = \$56,000

South Market 45% of \$160,000* (Full Capacity) = \$72,000

\$128,000.00

2. Heat Sink Equipment

North Market 35% of \$33,000* = \$11,500

South Market 45% of \$33,000 = \$14,800

\$ 26,300.00

3. Tunnel Distribution Equipment (H.&C. System)

North Market \$24,000*

South Market \$24,000*

\$ 48,000.00

b) District System, Plumbing

1. Storm Water, Sanitary Domestic Water, Gas

North \$ 8,000

South \$ 8,500

\$ 16,500.00

2. Sewerage Ejector

North \$ 6,000

South \$ 6,000

\$ 12,000.00

c) Complete Interior H.V. A/C System

North \$480,000*

South \$570,000*

\$1,050,000.00

TOTAL SECTION XII \$1,288,000.00

* See report of Progressive Consulting Engineers, Inc.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Market

SECTION XIII - ELECTRICAL

See notes attached to estimated cost.

Notes and estimated cost for electrical system are prepared by:

Consulting Engineers,
Hersey, Lottero, & Mason,
of Boston, Massachusetts

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

BY CONSULTING ENGINEERS - HEROSY, LOTTERO & MASON - OF BOSTON, MASSACHUSETTS

E. North and South Market Buildings Wiring (combined)

1. Tenant Wiring

a. Feeder Distribution	No. Mkt Bldg	\$50,000	
	So. Mkt Bldg	<u>65,600</u>	\$115,600.00

b. Allowance for Tenant spaces

(1) Retail, Bsmt. and 1st Flrs.

@ \$125 sq. ft.	No. Mkt Bldg	\$68,000	
	So. Mkt Bldg	<u>87,000</u>	\$155,000.00

(2) Office, 2nd, 3rd, 4th, 5th

@ \$1.80 sq.ft.	No. Mkt Bldg	\$200,000	
	So. Mkt Bldg	<u>246,400</u>	
			<u>\$446,400.00</u>
			\$717,000.00

2. Building Services Allowance

a. Lighting and wiring public areas	58,400.00
b. H.V., and Air Conditioning Wiring	52,800.00
c. Elevator Wiring	5,100.00
d. N.E.T. & T. Telephone provisions	24,000.00
e. Emergency Lighting	17,600.00
*f. Fire Alarm System	22,800.00
g. Ice Melting System (Gutters)	14,200.00
h. Auxiliary System Provisions	<u>24,000.00</u>
	\$196,100.00

TOTAL NORTH AND SOUTH MARKET BUILDINGS WIRING

\$913,100.00

SUMMARY OF ELECTRICAL ESTIMATED COST FOR NORTH AND SOUTH MARKET BUILDINGS

CENTRAL HEAT VENTILATION AIR CONDITIONING PLANT \$16,600.00

TUNNEL DISTRIBUTION 148,400.00

WIRING 913,100.00TOTAL, SECTION XIII \$1,708,100.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

BY CONSULTING ENGINEERS - HEROSY, LOTTERO & MASON - OF BOSTON, MASSACHUSETTS

EXPLANATION OF ESTIMATED COST

- A. Edison Company will provide network and electric service to the tunnels at no expense to building Owners. See drawing E-1.
- B. New England Telephone and Telegraph Company will provide telephone service to ends of the tunnels at no expense to the building Owners. See drawing E-1.
- C. Electrical and Telephone wiring within the tunnels and central plant.
 - 1. Allowance for all electrical wiring for central H.V. A/C Plant.
 - 2. Wiring in tunnel applicable to the market building.
 - a. Electrical wiring from Edison Service to each meter group. See drawing E-5.
 - b. Metering provisions for each tenant unit. See drawing E-3.
 - c. Telephone ducts through tunnel and mounting panels. See drawings E-2 and E-4.
 - 3. Wiring in tunnels (2) applicable to the north and south market buildings
 - a. Electrical wiring from Edison service to each meter group. See drawing E-2.
 - b. Metering provisions for each tenant unit. See drawing E-3.
 - c. Telephone ducts through tunnel and mounting panels. See drawing E-4.
- D. All market building electrical work beyond metering.
 - 1. Electrical work applicable directly to tenant spaces.
 - a. Electrical wiring between meter groups and each tenant unit, including a circuit breaker panel in each unit. See drawings E-5, E-6, E-7 and E-8.
 - b. Allowance for moderate general lighting and receptacle wiring, as normally provided by the Owner for tenant use.
 - 2. Electrical work for central services, public spaces, etc., not directly applicable to tenant spaces.
 - a. Lighting, receptacles and wiring for public stairhall, corridors, toilets, etc.
 - b. Wiring of central heating, ventilating and air conditioning system within the buildings.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

BY CONSULTING ENGINEERS - HEROSY, LOTTERO & MASON - OF BOSTON, MASSACHUSETTS EXPLANATION OF ESTIMATED COST (Cont'd)

- c. Empty conduit facilities from the tunnel to each tenant unit for N.E.T. & T. Company telephone system.
 - d. Emergency lighting required for all public corridors, lobbies and stairhalls.
 - e. A heating cable system for all gutters and downspouts, to prevent ice buildup in the winter. Manually operated from central plant.
 - f. Auxiliary empty conduit system between tunnel, each tenant unit and attic for miscellaneous communication and signal systems.
 - g. Special lighting for the second floor, great room and exhibition halls, such as exhibition lighting, chandeliers, dimming, etc.
 - h. Fire Alarm System, fully supervised, ten zone, non-coded, with automatic heat, smoke and gas detection. This system would be directly connected to the Boston Fire Department.
 - i. Public Address system for second floor for general announcements and music. Separate sound reinforcement for the great room.
 - j. Central clock system, with clocks located along corridors of first and second floors.
 - k. Empty conduit provisions for television broadcasting in the great room, by a television station.
- E. All electrical work in the north and south market buildings beyond metering.
- 1. Electrical work directly applicable to tenant spaces. See drawing E-9 for wiring of a typical tenant space.
 - a. Electrical wiring between meter groups and each tenant unit. including a circuit breaker panel in each unit.
 - b. Allowance for moderate general lighting and receptacle wiring, as normally provided by the Owner for tenant use. Includes allowances for problem job conditions.
 - 2. Electrical work for central services, public spaces, etc., not directly applicable to tenant spaces.
 - a. Lighting, receptacles and wiring for public stairhill, corridors, toilets, etc.
 - b. Wiring of central heating, ventilating and air conditioning system within the buildings.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

BY CONSULTING ENGINEERS - HEROSY, LOTTERO & MASON - OF BOSTON, MASSACHUSETTS

EXPLANATION OF ESTIMATED COST (Cont'd)

- c. Electric wiring for six elevators.
- d. Empty conduit facilities from the tunnel to each tenant unit for N.E.T. & T. Co. Telephone system.
- e. Emergency lighting required for all public corridors, lobbies and stairhalls. Based on 50 percent of potential corridor being public and six stairhall cores.
- f. Central Fire Alarm System, fully supervised, 44 zone (one per building unit) non-coded, with automatic heat detection. This system would be wired to the central plant control room for Owner's control.
- g. A heating cable system for all gutters and downspouts, to prevent ice buildup in the winter. Manually operated from central plant.
- h. Auxiliary empty conduit system between tunnel and each tenant unit for miscellaneous communication and signal systems.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION XIV - OFFICE AREA TENANT STANDARDS

- a) 1. Suspended ceilings shall be standard metal channel suspension system, concealed spline installation, fissured mineral tile, fully accessible.
- 2. Ceiling tile installation shall include standard areas of dropped ceiling required to accomodate mechanical distribution as shown in drawings and shall include vertical closures to existing exposed wood framing at edges of dropped ceiling areas.

Allowance of 75% per sq. ft. of ceiling area.
- b) Existing Common Walls.
 - 1. Existing common walls presently of exposed brick shall be cleaned by steam cleaning or wet sandblasting to provide a fully exposed brick surface, free from accumulations of mortar or foreign material and relatively uniform in appearance.
 - 2. Existing common walls presently with plaster finish shall be patched and extended in plaster to conform to pattern of standard openings, and shall receive 2 coat paint finish.
 - 3. Existing common walls presently finished in original wood sheathing shall be stripped to natural wood and refinished with three coats sealing oil, well rubbed down. Provide for tenting of oil finish. Provide for paint finish.
- c) Interior Face of Exterior Walls.
 - 1. Interior faces of exterior walls where exposed brick, see b.1. above.
 - 2. Interior faces of exterior walls where plaster, see b.2. above.
 - 3. Interior faces of exterior walls where original wood sheathing, see b. 3. above.
 - 4. Interior trim for windows, where missing, shall be replaced to conform to existing adjacent conditions.
- d) Existing exposed wood floor framing.
 - 1. All existing exposed wood floor framing not covered by standard suspended ceiling for mechanical distribution, core areas, etc. shall be thoroughly cleaned by scrubbing with stiff brushes and hot lye solution or by steam cleaning with chemical additives.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

2. When existing wood framing and deck has been entirely painted, provide for cleaning and repainting as directed for color and pattern.

e) Office Partition

1. All office partition interior to a single tenancy and not required to bear a fire rating shall be double face board (3/8") metal stud, Vaughanwall v joint solid panel or other approved equal.
2. All tenant standard gypsum partition shall be sealed at head in approved manner for acoustical separation of offices.
3. All corridor partitions and partition separating occupancies shall be approved rating, double face board (1/2") or approved equal, fully sealed to existing floor construction.

f) Doors and Hardware

1. All tenant standard interior doors shall be 3'-0" hollow metal in pressed metal frames for standard installation to tenant gypsum wall board partition.
2. All tenant standard entrance doors shall be of hollow metal in pressed metal frames for standard installation to rated partition, and shall carry required fire rating.
3. All hardware for tenant standard doors shall be of brushed stainless steel and shall include locksets and latchsets, automatic closers, stops, hinges and all items required for approved installation.

g) Tenant standard flooring

1. Tenant standard flooring shall be 1/8" vinyl asbestos tile set to plyscore wood subfloor, selected from standard range of pattern and color.
2. Standard flooring shall include 4" vinyl core base to all building standard partitions.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION XIV - TENANT ALLOWANCES (Office Area)

- a) Suspended ceiling for standard mechanical
2 corridors/floor
 $520 \times 2 \times 6 = 6240$ sq. ft. /unit
6 units = 37,440 sq. ft.

fissured mineral tile and suspension @ 75¢
including vertical closure =

\$ 28,000.00

- b) Existing Masonry Bearing Walls

face area/floors 2,3,4 & 5.

North (typical) $40 \times 55 = 2200$ - openings 480 sq. ft. = 1720

South (typical) $40 \times 65 = 2600$ openings 480 sq. ft. = 2120

South 44 faces, North 42 faces.

42 faces North $\times 1720$ sq. ft. = 72,000 sq. ft.

44 faces South $\times 2120$ sq. ft. = 93,000 sq. ft.

86 faces (except Durgin Park) = 165,120 sq. ft.

- Alternatives: 1. Steam clean or wet
sandblast on brick
2. Patch plaster and
paint = 50¢/sq.ft. average
3. Strip and finish
wood sheathing

$\times 72,000$ North = \$36,000

$\times 93,000$ South = \$46,500

=

\$ 82,500.00

- c) Interior of Exterior wall repair and refinish (2,3, & 4th floors)

@ 60¢ /sq. ft. (floors 2,3, & 4 only)

North Market $12 \times 8'-6"$ (average) /bay

South Market $10 \times 8'-6"$ (average) / bay

Core = $11 \times 8'-6"$ /bay $\times 126$ bays

93.5 sq. ft./bay $\times 126 = 11,781$ sq. ft.

@ 60¢

\$ 7,068.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

- d) Clean up of existing wood joists where exposed
(Stain where new)

net ceiling within 1 unit/South Market/ $63 \times 21 = 1323$
less suspended ceiling area $\frac{252}{1071 \text{ sq. ft.}}$

x 22 units x 3 floors = 70,686
5th floor galleries $22 @ 24 \times 21 = \frac{11,080}{81,766 \text{ sq. ft.}}$

less core areas $768 \text{ ea.} \times 12 = \frac{9,216}{72,550 \text{ sq. ft.}}$

@ 60¢ = \$43,530.00

Net ceiling/unit/ North Market = $54 \times 21 = 1134$
less suspended ceiling area $\frac{210}{924 \text{ sq. ft.}}$

20 units x 3 floors = 57,440 sq. ft.
less core area $768 \times 9 = \frac{7,012}{50,428 \text{ sq. ft.}}$

@ 60¢ = \$30,283.00

TOTAL \$ 73,803.00

- e) Gypsum Wall Board Partition

Wall erected @ 90¢/sq. ft.
painted 2 sides,
2 coats = $\frac{20\%}{\$1.10/ \text{ sq.ft. wall area}}$

floors 2,3, & 4
assume 70 lineal/22' bay South Market
80 lineal/22' bay North Market

average 75 lineal @ 8'-6" average

= 650 sq. ft./bay
x 108 bays (2,3,4th floors not including
Durgin Park and core areas)

= 70,000 sq. ft. @ 1.10 = \$77,000.00

Loft Floors

Same wall area provided as allowance
= 36 bays x 892 sq. ft. x \$1.10 =

\$33,000.00

TOTAL Gypsum wall partition \$110,000.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

f) Tenant door and hardware allowance:

6 door units/bay x 108 bays
@ \$75/opening = \$53,800.00

Tenant door allowance for Loft
area same pro rata
\$75 x 6 x 36 bays = \$16,200.00

Total Doors and Hardware \$ 70,000.00

g) Standard Office Floor

Vinyl asbestos tile @ 35¢/sq. ft.

North Market 78,800 x 35¢ = \$ 27,500

South Market 108,000 x 35¢ = 38,000

TOTAL \$ 65,500.00

TOTAL, SECTION XIV \$436,931.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION XV - RETAIL AREA TENANT ALLOWANCE

a) Toilet areas/plumbing and fixtures

North Market Building: 17 units ground floor
20 units basement floor

South Market Building: 19 units ground floor
22 units basement floor

1. Provide typical toilet unit consisting of one W.C. and one wall mounted sink completely piped and vented, per bay of retail rental area.
2. Locate as directed in accordance with tenant layout plan, grouping fixtures in the event of two or more bays being incorporated as a single tenancy.

b) Toilet construction and finish.

1. Construct gypsum wallboard partition enclosing wall for typical toilet unit with single solid core wood door in standard pressed metal frame, complete with standard hardware.
2. Interior wall surface three coats enamel.
3. Floor finish 4 x 4 standard set ceramic tile.
4. Ceiling gypsum board.
5. Soap dispenser and paper towel dispenser.

c) Openings in common walls.

North Market Building 36 walls (Basement and ground level)

South Market Building 42 walls (Basement and ground level)

Allow 2 6' wide openings/wall = 156 openings.

1. Allow for the cutting, dressing and framing of standard 6' wide openings in common bearing walls to provide for combining bay units into common tenancy, as specified in Section IV, Brickwork and Section VI, Rough Framing.
2. Location of openings as shown on tenant installation drawings and as approved by structural engineer.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

d) Existing common walls - cleaning and/or repair:

1. Where exposed brick is existing finish, provide for steam cleaning or wet sandblasting to produce clean surface.
2. When plaster or masonry is existing finish, provide for patching and extending existing plaster and for two coat finish painting.
3. Where original pine sheathing is existing finish provide for stripping to bare wood and three applications of sealing oil (with or without color addition), sanded and buffed.

e) Interior face of exterior wall

1. Ground floor see d) above and Section VII, Windows, etc., for trim at glazed openings and doors.
2. Basement floor, existing masonry walls, see Section d) above.
3. Exterior basement walls, provide 1/2" gypsum board sheathing or wood framing to existing masonry over all of wall abutting utility tunnel and as required due to condition of foundation masonry on exterior basement wall away from utility tunnel.

f) Ceilings

1. When existing ceilings are original framing timber and deck, provide hand scrubbing and/or steam and lye cleaning to produce clean exposed wood surfaces throughout. All wood framing above corbelling to be left exposed and unfinished.
2. Where existing wood framing has been altered to each a degree that it must be covered or when other construction has been entirely substituted, provide suspended fissured mineral acoustic tile ceiling on standard metal channel suspension system, fully concealed spline type.

g) Brick basement floor.

1. Provide brick basement floors over 75% of total basement area, consisting of select brick of standard dimensions, laid flat, bedded in asphaltic cement compound on top layer of felt of membrane waterproofing, all joints mortared in with a latex-rich mix.
2. Finish with hard natural wax, buffed out.
3. Remaining 25% basement floor (storage areas) finish by tenant.

h) Flooring for ground floor.

1. Over 75% of ground floor retail area allow \$1.00/sq.ft. toward tenant finish.
2. Over 25% of ground floor retail area, for storage, finish by tenant.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

NORTH AND SOUTH MARKET BUILDINGS

Faneuil Hall Markets

SECTION XV - RETAIL AREA TENANT ALLOWANCE

a) Toilet Plumbing - Two Fixtures per Bay:

ground floor - 36 bays

basement 42 bays

78 bays = 156 fixtures @ \$7.50

\$117,000.00

b) Toilet Room Construction

Finish hardware doors

\$ 35,000.00

c) Cutting and Framing of Common Wall Openings

@ \$270/6'-8' openings

allow 2 per walls

North Market 18 walls

South Market 21 walls

39 x 4 = 156 openings =

\$ 42,000.00

d) Cleaning of Existing Common Walls - Cleaning and/or Repair:

1. Steam clean or wet sandblast on brick

2. Patch and paint on plaster

3. Strip and finish old sheathing

} 25¢ - 75¢

Average 50¢/sq. ft.

Quantity 78 wall faces/floor

2

156 wall faces total

area/face 8' x 44' = 352 sq. ft.

50¢ x 156 x 352 sq. ft. =

\$ 27,500.00

e) Interior Face of Exterior Wall

Ground Floor: 50 sq. ft. each side

100 sq. ft./bay

36 bays @ 50¢ =

\$1,800

Basement: Tunnel side 7'6" x 17 = 130 sq. ft.
and sheetrock @80¢/sq. ft.

36 x 130 sq. ft. x 80¢ =

\$3,750

Allow for non-tunnel side

\$3,750

\$ 9,300.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION XV - RETAIL AREA TENANT ALLOWANCE (continued)

f) Ceilings @ 60¢/square foot

1. Hand scrub and/or steam and lye cleaning
2. New suspended ceiling.

North Market	23,800
South Market	<u>32,500</u>
	56,300 sq. ft. basement

	<u>48,070</u> ground floor
	104,370 sq. ft. @ 60¢ +

\$ 62,000.00

g) Brick Basement floor:

basement
birch laid in mortar bed

North Market	23,900 sq. ft.
South Market	32,500 sq. ft.

@ \$2.00

Reduce 25% (Storage areas) =

\$ 85,000.00

h) Flooring - Ground Floor

Floor finish	56,300 gross
ground floor	<u>-8,230</u> entrances
	48,070 48,000 sq. ft.

average \$1.00/sq.ft. Reduce 25% (Storage Areas)

\$ 36,000.00

TOTAL, SECTION XV \$413,000.00

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION I - CLEAN OUT AND DEMOLITION

a) Clean out:

1. Remove all loose debris; all interior non-load bearing partitions; load bearing partitions as designated; chimney stacks as designated; existing staircases as designated; all machinery, all freezer and cooler equipment including all piping, insulation, partitions, ceilings and floor covering added to building structure as part of cooling equipment; all boilers and heating equipment and fixtures; all electrical equipment, wiring and connections; all plumbing, fixtures, soil pipes and roof drains; all fill and masonry in closed up window openings. This clean out will include all of the basement and first floor except the westerly end now occupied by retail food dealers as specified in drawing, and those areas of the second floor west wing designated to be saved. The restaurant on the first floor east wing will not be demolished.

2. Remove all window sash and frames on second floor and basement levels, except those frames designated to be saved.

3. Those elements of construction designated to be removed and saved will be carefully coded, recording their original location, and stored in a safe area within the building so that these architectural elements may be easily reinstated in their original location in an undamaged condition.

4. Remove east wing ceiling of second floor including the 1935 false ceiling of the Great Hall in the center pavilion. The steel framing and trusses that support the false ceiling shall be removed after structural repairs of original ceiling and dome are completed.

b) Partial demolition:

1. Remove cement canopy and steel structure on south side.

2. Remove metal canopy on north side.

3. Remove brick chimney.

d) Demolition:

1. Demolish and remove cement sidewalks on North, South, Commercial Streets and Merchants Row, surrounding the Market Building, excepting area on south side over utility tunnel.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

MARKET BUILDING

Faneuil Hall Markets

SECTION I - CLEAN OUT AND DEMOLITION

a) Clean out:

<u>1.-4.</u> Basement, center pavilion, area 4,000 sq.ft..	\$2,000
Basement, east wing, area 11,000 sq.ft..	10,000
Basement, all windows and frames.	2,400
1st floor, east wing except existing restaurant.	10,500
2nd floor, ceiling of Great Hall.	6,800
2nd floor, office partitions Great Hall.	2,200
2nd floor, east wing complete, area 11,000 sq.ft..	<u>10,500</u>

Total. \$44,400

b) Partial demolition:

<u>1.</u> Cement canopy, south side.	\$10,500
<u>2.</u> Metal canopy, north side.	6,800
<u>3.</u> Chimney and miscellaneous.	<u>5,000</u>

Total. \$22,300

d) Demolition:

<u>1.</u> Sidewalk demolition -	32,100 sq.ft.
Less area over utility tunnel -	<u>-6,240 sq.ft.</u>
	25,860 sq.ft. @ 65¢. . . <u>\$16,700</u>

Total. \$83,400

PHONES DUNKIRK { 7-3700
7-3701
7-3702

CENTRAL BUILDING WRECKING CO.

LUMBER

BRICK AND STEEL

BUILDING MATERIAL OF EVERY DESCRIPTION

OFFICE AND YARD

141 BOSTON STREET, COR. PARKWAY

EVERETT 49, MASS.

June 25, 1968

Architectural Heritage, Inc.
Faneuil Hall Market
Boston, Massachusetts 02109

Gentlemen:

In accordance with your outline specifications, we herewith confirm our budgetary prices for the clean out and demolition work at Faneuil Hall Market, known as Quincy Market.

<u>Description</u>	<u>Amount</u>
a) Clean out:	
1.-4. Basement, center pavilion, area 4,000 sq.ft...	\$2,000
Basement, east wing, area 11,000 sq.ft.. . . .	10,000
Basement, all windows and frames.	2,400
1st floor, east wing, except existing restaurant.	10,500
2nd floor, ceiling of Great Hall.	6,800
2nd floor, office partitions Great Hall.	2,200
2nd floor, east wing complete, area 11,000 sq.ft..	10,500
Total.	\$44,400
b) Partial demolition:	
1. Cement canopy, south side.	\$10,500
2. Metal canopy, north side.	6,800
3. Chimney and miscellaneous.	5,000
Total.	\$22,300
d) Demolition:	
1. Sidewalk demolition - 32,100 sq.ft.	
Less area over utility tunnel - <u>-6,240 sq.ft.</u>	
25,860 sq.ft. @ 65¢.	<u>\$16,700</u>
Total clean out and demolition.	<u>\$83,400</u>

Should there be any questions regarding this estimate please do not hesitate to contact us.

We are herewith enclosing our bill for this service.

Very truly yours,

CENTRAL BUILDING WRECKING CO.
Abraham Backman
Abraham Backman

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION II - UNDERDRAINAGE AND DAMPPROOFING

a) Excavation and fill, 10 cross drains, 550 lineal feet:

1. Trench existing concrete floor approximately 3 feet wide by 3 feet deep.
2. Fill with crushed stone graded $1\frac{1}{4}$ inches to $\frac{5}{8}$ inch around 6 inch diameter perforated orangeburg pipe located approximately 1 foot above bottom of trench.
3. Orangeburg pipe shall run on center line of typical bay, pitching towards service tunnel main with branches along rear wall and with clean out at floor level.

b) Slab, 1,650 square feet:

1. Cover top of 10 trenches with cement slab.

c) Piping, 535, lineal feet:

1. Cast iron pipe shall be used for all tunnel piping and shall be sleeved and caulked at tunnel wall in each bay. Each bay shall have clean out in the tunnel and another clean out in opposite end of floor.

d) Dampproofing floor, 26,100 square feet:

1. Cut out all obstructions to general level of existing floor.
2. Sandblast clean to obtain surface to which membrane waterproofing will adhere.
3. Fill voids and depressions and level with emulsion of sand, tremco mastic (mulsomastic) and Portland cement.
4. Cover floor with 2-ply membrane waterproofing.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST
MARKET BUILDING
Faneuil Hall Markets

SECTION II - UNDERDRAINAGE AND DAMPPROOFING

a) Excavation and fill:

1.-3. 10 cross drains x 55 ft. = 550 lineal ft. @ \$3.50. \$1,925

b) Slab:

1. 3 ft. x 550 lineal ft. = 1,650 sq.ft. @ 80¢. 1,320

c) Piping:

1. 535 lineal ft. @ \$12. 6,400

d) Dampproofing floor:

1.-4. 26,100 sq.ft. @ \$1.20. 31,300

Total. \$40,945

SECTION II - UNDERDRAINAGE
AND DAMPROOFING

RECEIVED

MAY 23 1968

TELEPHONE
MORE 6-4203*The*

WATERPROOFING

COMPANY

119 CHANDLER STREET, BOSTON, MASS. 02117, P. O. BOX 347

BLANCHARD FORD
PRESIDENT

May 27, 1968

F.H. Stahl & Assoc., Inc.
177 Milk Street
Boston, Massachusetts

Attention: Mr. F.H. Stahl

Gentlemen:

Following up our recent inspection of the basement areas in the Market District where renovations are planned, we would like to make the following comments.

We feel that the only reasonable way to alleviate the water problem would be through an underground drainage system.

As there is no sure way to determine the exact condition of each floor slab and because it is not good practice to plaster coat over masonry surfaces for hydrostatic pressure, we feel it would be impractical to make the buildings tight from inside.

Very truly yours,

THE WATERPROOFING COMPANY

Charles C. Ford
Charles C. Ford

CCF/jmh

FIFTY YEARS OF FAITHFUL SERVICE TO OUR CLIENTELE



ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION III - GRANITE WORK

b) Granite, cut and deliver stone:

1. Supply 32 stones to replace altered architrave stones.
2. Supply 1 stone for cornice of center pavilion.
3. Supply 60 stones for first floor and basement entries.
4. Include delivery to site for acceptance by granite erector.

d) Erection of granite, total 93 stones:

1. Set 32 architrave stones and carefully remove segments of original stone.
2. Set 1 stone in cornice of center pavilion.
3. Set 60 stones for first floor and basement entries and steps.

e) Patching and repointing of granite:

1. Remove all loose mortar, abandoned pins and miscellaneous hardware (except as designated) and clean holes and other faults in old granite to make ready for patching.
2. Patch with original chips and/or a mixture of granite powder and epoxy compound to original lines and detail.
3. Repoint existing granite.

f) Cleaning of granite, total 36,000 square feet:

1. Sandblast by wet process all original and new granite.
2. Cut into new granite sufficiently to produce a matching texture with adjacent old granite.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

MARKET BUILDING

Faneuil Hall Markets

SECTION III - GRANITE WORK

b) Granite, cut and delivered:

<u>1.</u>	Architrave stones, 32 stones -	
	16 stones 8 cubic ft. @ \$22.	\$2,800
	16 stones 2 cubic ft. @ \$22.	<u>700</u>
	Total.	\$3,500
<u>2.</u>	Cornice stone, 1 stone.	500
<u>3.</u>	First floor and basement entries -	
	10 stones @ \$220.	\$2,200
	50 stones @ \$110.	<u>5,500</u>
	Total.	<u>7,700</u>

Total of b). \$11,700

d) Erection of stone:

<u>1.-3.</u>	32 architrave stones @ \$330.	\$10,500
	1 cornice stone @ \$1,000.	1,000
	60 entry stones @ \$100.	<u>6,000</u>
	Total.	\$17,500

e) Patch and repoint granite:

<u>1.-3.</u>	80 man days @ \$50.	\$4,000
--------------	-----------------------------	---------

f) Cleaning of granite:

<u>1.-2.</u>	Clean all granite, wet process	
	535 ft. north side	
	535 ft. south side	
	50 ft. end	
	<u>50 ft. end</u>	
	1,170 lineal ft. x 30 ft. high = 36,000 sq.ft.	
	36,000 sq.ft. x 50¢.	<u>\$18,000</u>

Total \$51,200

G R A N I T E
H . E . F L E T C H E R C O.
WEST CHELMSFORD MASS. 01863

July 25, 1968

Architectural Heritage
Faneuil Hall Market
Boston, Massachusetts 02109

Attention: Mr. Roger Webb

Dear Mr. Webb:

This letter is to confirm the granite price estimates which I gave Mr. Detwiller on the phone today, for the four types of replacement stones you would require for Faneuil Hall Market.

These estimates are:

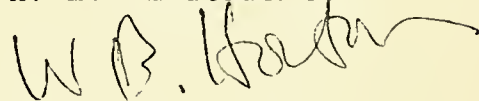
16 architrave fillers-----	\$150.00 each
16 window lintel fillers-----	\$ 75.00 each
12 arch stones-----	\$140.00 each
12 window sills-----	\$ 50.00 each

We have assumed that the lintel fillers would be lewised, and the architrave fillers back-checked, so that they could be supported on stainless steel ledge angles attached to the existing masonry, and the above estimates have been figured accordingly.

These estimates are for Chelmsford Granite, which was used in the original construction, in thermal finish, similar to that furnished for the restoration work at the Boston Stone tavern on Hanover Street facing Government Center.

Yours very truly,

H. E. FLETCHER CO.



William B. Horton

WBH/mjl

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION IV - BRICKWORK

g) Cut typical openings in common walls:

1. Cut standard openings in 20 basement brick walls as shown on drawings to provide continuous openings through basement level.

h) Construct new brick sidewalks, total 32,100 square feet:

1. Brick sidewalks to be laid in mortar bed and all joints filled with mortar.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST
MARKET BUILDING
Faneuil Hall Markets

SECTION IV - BRICKWORK

g) Cut typical openings in common walls:

1. 20 walls - 10 ft. wide cuts @ \$200. \$4,000

h) Construct new brick sidewalks:

<u>1.</u> Lay brick sidewalk	@ \$2.00	
Mortar bed for brick	@ <u>.50</u>	
32,100 sq.ft.	@ \$2.50.	<u>.80,000</u>

Total. \$84,000

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION V - CONCRETE WORK

The relatively small amount of concrete work necessary in the Market Building is incorporated into other sections; such as, the repair of basement floor after installing drains is incorporated into Section II, Underdrainage and Dampproofing.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION VI - ROUGH FRAMING

i) Frame typical common wall openings:

1. Frame openings cut in basement brick walls as specified in Section IV.

k) Repair frame of original ceiling of great hall:

1. Repair frame of original ceiling and install a new support system for ceiling dome behind the present spring line.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

MARKET BUILDING

Faneuil Hall Markets

SECTION VI - ROUGH FRAMING

i) Frame typical common wall openings:

1. 20 openings @ \$150. \$3,000

k) Repair frame of original ceiling of Great Hall:

1. Reframe ceiling of great hall. 15,000

Total. \$18,000

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION VII - WINDOWS, DOORS

a) Windows, 2nd floor, 124 window units:

1. All 2nd floor window units to be reproductions of 19th century, 8 lights over 8 lights, double-hung window sash still in use on 1st floor of Market Building.
2. All window units will be primed, painted and glazed and, if unit contains elements of original unit, all restored parts must be equal in appearance and serviceability to new units.
3. All units to be installed and double-hung sash to be serviceable.

b) Windows, ground floor and basement, 71 new units, 86 units repaired:

1. All units on ground floor to be 8 lights over 8 lights, double-hung sash. All units for basement to be single sash, reproductions of 19th century window that survived.
2. All units to be glazed, primed and painted.
3. All units to be installed and serviceable.

d) Exterior doors and frames, 96 new doors, 14 doors repaired:

1. All exterior door units to be exact reproductions of original door units. One half-size door unit at top of basement steps and one full-size door unit at bottom of steps per basement entry. All door units to have hardware as shown on drawing.
2. Existing first floor exterior door units to be repaired and primed.
3. All units to be installed and serviceable.

f) Windows, dome lantern, 8 window units repaired:

1. Repair, scrape, glaze and paint existing fixed sash windows.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

MARKET BUILDING

Faneuil Hall Markets

SECTION VII - WINDOWS, DOORS

- a) 2nd floor windows- new sash painted and installed in original frames that have been scraped and painted:

1.-3. Windows 4 ft. x 6 ft. - original design,
114 @ \$150. \$17,100
Windows 6 ft. x 14 ft.- 8 @ \$620. 4,960
Windows 9 ft. x 16 ft.- 2 @ \$1,075. 2,150

Total. \$24,210

- b) 1st floor and basement windows:

1.-3. New: 4 ft. x 8 ft. - 15 @ \$200. \$3,000
6 ft. x 10 ft. - 4 @ \$470. 1,880
4 ft. x 4 ft. - 52 @ \$100. 5,200
Repair: 4 ft. x 8 ft. - 82 @ \$100. 8,200
6 ft. x 10 ft. - 4 @ \$320. 1,280

Total. \$19,560

- d) Exterior doors and frames:

1.-3. Basement:
48 new basement doors and frames @ \$350. . \$16,800
48 new basement doors and pintels,
exterior lock-up doors @ \$200. . . 9,600
First floor:
14 existing doors - repair @ \$250. . . 3,500

Total. \$29,900

- f) Dome lantern:

1. Repair windows, 3 ft. x 5 ft. fixed sash, 8 @ \$125. \$1,000

Total. \$74,670

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION VIII - ROOFING AND FLASHING

a) Slate roofing, replace slate on 5,400 square feet:

1. Remove old slate and replace 1/5th of the existing roofing with new slate, using slate that matches existing slate in color and size.

b) Repair flashing:

1. Repair flashing at ridge and at intersection of wing with center pavilion.

2. Flash air vents, soil pipes and chimneys.

d) Gutters, 225 lineal feet:

1. Replace $\frac{1}{4}$ th of existing copper gutters.

e) Downspouts:

1. Replace all downspouts, downspouts to be 16 ounce plain rolled round copper, 3 inch diameter, carried into cast iron pipe.

g) Copper dome, 1,000 square feet:

1. Repair and replace copper exterior dome to correct existing leaks.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST MARKET BUILDING Faneuil Hall Markets

SECTION VIII - ROOFING AND FLASHING

a) Slate roof repair:

1. 60 ft. x 450 ft. = 27,000 sq.ft. x 1/5th area replace slate =
5,400 sq.ft.
 \$1.50 new slate
 +.35 remove old slate
 \$1.85 per sq.ft. repair cost
5,400 sq.ft. @ \$1.85. \$10,000

b) Repair flashing:

1. Ridge, chimneys, insections of wings with center pavilion,
air vents and soil pipes. \$16,720

d) Gutters:

1. Total existing - 900 lineal ft. x $\frac{1}{4}$ replace = 225 lineal feet.
225 lineal ft. x \$10. 2,250

e) Downspouts:

1. 12 downspouts x 30 ft. = 360 lineal ft. @ \$3. 1,080

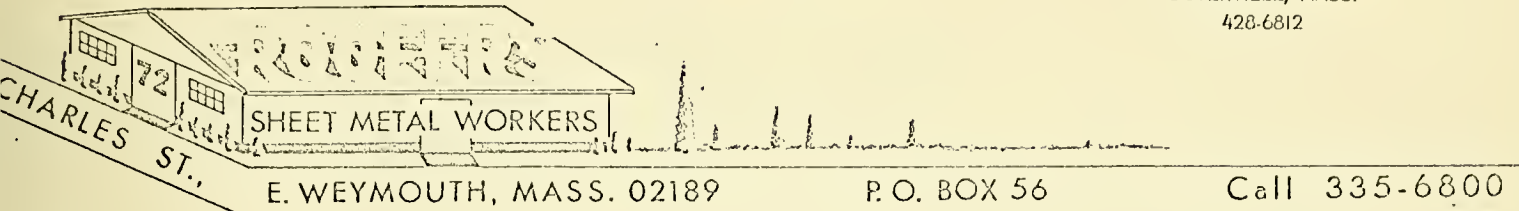
g) Copper dome:

1. Replace 1,000 sq.ft. @ \$5 5,000

Total. \$35,050

J. T. CAZEAULT & SONS, INC.

Cape Cod Branch Office
MAIN STREET
OSTERVILLE, MASS.
428-6812



June 7, 1968

Architectual Heritage Inc.
Faneuil Hall Market
Boston, Massachusetts 02109

Attention : Roger Webb

The following is a list of unit prices and approximate total costs for roofing and sheet metal work on the North and South Market Street restoration.

1.) Approximately 70,000 square feet of slate roof. I would budget \$1.40 per sq. ft. due to the fact that there is not enough of the color you desire available in New England. The \$1.40 price is for Virginia Slate.

BUDGET: \$98,000.00

This will cover the cost of laying the slate with the necessary flashings around chimneys, vents, and skylights.

2.) Gutter: Approximately 2060 lineal feet. Budget \$20.00 a foot= \$41,200.00.

Gutter to be 20 ounces cold rolled plain domestic copper, formed with and 0.6 and to have a face bar of $\frac{1}{4}$ "x1" hot dipped galvanized. Cross bars are to be $\frac{1}{4}$ "x1" copper.

Bolts- Brass- $\frac{1}{4}$ "

Strainers in the outlets- copper.

Drip Strip on bottom to be copper if against wood and lead if against stone.

3.) Downspouts- Figure \$3.00 lineal feet installed.

Downspouts to be 16 oz. plain round copper, 3" in diameter carried into cast iron pipe furnished by others. Where 2 outlets come together, they shall be connected to a single pipe and copper oval shaped funnel.

4.) Snow Rail- 2060 lineal feet at \$15.00 a foot. This equals \$30,900.00. Snow rail to be 3 rail hot dipped galvanized with brackets spaced every 4 feet and properly flashed into slate roof.

I think that should cover everything, but if I forgot anything give me a call.

Yours very truly,
J.T. CAZEAULT & SONS INC.
J. T. Cazeault
Jon T. Cazeault

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION IX - CORES AND PUBLIC AREAS

a) Framing:

Frame and cut new enlarged stair openings. There shall be 4 cores, one each on either side of the restored Great Hall and one each in the West Wing and East Wing. The stairs shall rise from the basement level to the second floor, except in the West Wing where the stair shall rise from the first floor to the second floor.

b)1The new stairs shall be of ornamental quality. The stairs shall be furnished and installed complete with all landings, rails and necessary hardware for erection, and pans shall receive standard granolithic fill and finish.

2Stair enclosing walls shall be of 3/4 inch rigid metal channel and wire lath, 2 inches thick solid plaster integral with fireproofing of steel floor beams to form a continuous fire rated shaft in compliance with code requirements for rated egress stair enclosures.

3Stair doors and hardware shall carry "B" label and be of approved egress type, hollow metal with remiculite fill in filled pressed metal frame complete with standard cast-in metal threshold, automatic closer and approved panic hardware.

c)1 Plumbing

i. Provide all necessary domestic hot and cold water piping, waste and vent piping complete with all required fittings from district system for core toilets.

ii. Provide and install all plumbing fixtures including washbasins, w. c. 's, urinals and service sinks as called for on drawings and specifications.

2 Public toilet enclosing walls

i. All toilets enclosing walls shall be of 2 inch solid plaster construction as specified for rated stair enclosures under b)2 above.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION IX - continued

3. Full ceramic tile

- i. Floors shall receive full ceramic tile finish in deep mortar setting to concrete floor fill, complete with all necessary marble saddles for openings. Tile shall be 4" x 4" ceramic.
- ii. Walls shall receive full height 4" x 4" ceramic tile finish, deep mortar setting, to 2" solid plaster partition, complete with all nosings, bases and required shapes to form a fully integrated enclosing surface.

4. Toilet doors and hardware

- i. Toilet doors and hardware shall be of hollow metal in pressed metal frames, complete with automatic closers and building standard core area latch sets and hinges.

5. Toilet accessories

- i. All toilet accessories shall be of polished stainless steel, fully recessed where wall mounted and integrated with wall tile setting pattern.
- ii. Toilet accessories shall include soap dispensers for each washbasin, towel dispenser and towel disposer, sanitary napkin dispenser and disposer where appropriate, full polished plate glass mirror for washbasin area and for vestibule of women's toilet, vanity shelf for women's toilet.

6. Toilet partitions

- i. All w.c.'s shall be provided with ceiling hung partitions and doors, enamelled steel hollow metal construction, in colors to be selected, with stainless steel hardware and accessories.
- ii. Privacy services as required in detail plans shall conform to above.

7. Toilet room ceilings

- i. Ceilings for all toilet areas shall be of suspended perforated pressed metal with enamel finish factory applied.
- ii. All toilet room ceilings shall be furnished and installed with lay in batts of fiberglas acoustical insulation as recommended by ceiling system manufacturer.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION IX - continued

e) First aid (fire) stations

- 1 First aid station shall be provided in accordance with code requirements, complete with recessed hose cabinet and all necessary and required fittings, one (1) first aid station at each stair landing.

g) Great Hall, restoration of:

- 1 Dome and ceiling structural repairs will have further cracked and damaged the plaster ceiling with rosettes. All loose plaster and rosettes that have been damaged shall be carefully removed. Rosettes or pieces shall be tagged and their original location recorded. Framing of new segments of ceiling, coffered sections and segmental arches shall be covered with wire lath and scratch coats of plaster applied. Templates for moulded cornices of coffered sections shall be made from drawings supplied for exact detailing, and templates shall be approved for use only after successful demonstration and inspection of sample work. Rosettes shall be moulded of plaster with a wire plug countersunk into the rosette and attached to the frame. Cracked sections of the original ceiling shall be carefully cut and filled and damaged rosettes still in place carefully repaired and secured. Remaining coats of plaster and paint shall be applied after an exhaustive examination of the original fabric to insure that all deficiencies and damaged areas have been corrected. Provisions for artificial lighting and the hanging of one or more crystal chandeliers shall be incorporated into this restoration of the plaster walls and original ceiling.

- 2 The floor and millwork required for the restoration of the wainscot, doors and mouldings shall be done as specified in plans.

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST MARKET BUILDING Faneuil Hall Markets

SECTION IX - CORES AND PUBLIC AREAS

a) Framing:

3. Cut and frame new (enlarged) stair openings,
each 150 sq.ft. x 4 = 600 sq.ft. @ \$7 per sq.ft. \$4,200

b) Stairs:

1. New stairs of ornamental quality,
4 stairs @ \$4,000. \$16,000
2. Rated stair enclosure, 4 stairs @ \$2,000. \$8,000
3. Stair doors and hardware, 8 pair @ \$1,000. \$8,000

d) Public toilets:

1. 5 public toilets, plumbing (4 public and 1 market),
@ \$500 per fixture x 7 fixture per toilet = \$3,500 per toilet,
\$3,500 per toilet x 5 toilets \$17,500
2. Walls, new, 35 ft. x 10 ft. high = 350 sq.ft. per toilet,
350 sq.ft. @ \$2.50 = \$750 x 5 toilets. 3,750
3. Ceramic walls @ 10 ft. high x 50 lineal ft. = 500 sq.ft. per
toilet, @ \$2. \$1,000
Ceramic floor @ 150 sq.ft. x \$2. 300
Ceramic tile cost per toilet. \$1,300 x 5. . . 6,500
4. Doors and hardware -
3 per unit @ \$300 x 5 toilets. 4,500
5. Accessories -
\$600 per toilet x 5 toilets. 3,000
6. Partitions -
\$600 per unit x 5 toilets. 3,000
7. Ceilings -
@ \$2 per sq.ft. x 150 sq.ft. = \$300 x 5 toilets 1,500
- Total, section d. \$39,750

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION IX - continued

e) First aid (fire) stations:

1. 6 stations @ \$400. \$2,400

g) Great Hall:

1. Dome ceiling -

Repair plaster of ceiling and walls. \$6,000

Paint plaster of ceiling and walls. 2,000

Crystal chandelier or light fixture. 5,000

Total. \$13,000

2. Floor and wall repair and refinish. 5,000

Total. \$18,000

Total - Section IX. \$96,750

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION X - ENTRANCES AND PASSAGEWAYS

Passageways through the Market Building from North to South shall be made so that the main entrances under the center pavilion linking North and South Market Buildings can be left open even when the retail activity of the food merchants in the Market Building is closed.

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

MARKET BUILDING

Faneuil Hall Markets

SECTION X - BUILDING ENTRANCES AND PASSAGEWAYS

b) Passageways:

1. Passageway through central pavilion - 500 sq.ft.

Passageway through east wing - 500 sq.ft.

1,000 sq.ft.

1,000 sq.ft. @ \$8 per sq.ft. \$8,000

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

OUTLINE SPECIFICATIONS

MARKET BUILDING

Faneuil Hall Markets

SECTION XI - DISTRICT SYSTEM GENERAL CONSTRUCTION

a) Heat Sink Tank

1. Provide all excavating, sheeting, shoring, bracing and pumping to excavate and maintain excavation for erection of framework and placing of concrete for heat sink tank construction.
2. Provide all framework and stripping required to construct heat sink tank.
3. Provide all reinforcing and installation of reinforcing for heat sink tank.
4. Provide all concrete and placing and finishing of concrete.
5. Provide all backfilling and reconstruction of street paving for completion of heat sink tank construction.
6. All piping and equipment required for complete installation specified under H.V. A/C provide sleeves - and miscellaneous cart-in hardware to accomodate equipment.

b) Tunnel Construction

1. Provide all excavation, sheeting, shoring, bracing and pumping to excavate and maintain excavation for erection of framework and placing of steel and concrete to construct utility tunnel along faces of buildings after demolition of existing sidewalk slabs and sidewalk vault partitions.
2. Provide all framework and stripping required to construct grade slabs, wall footings, walls, curb haunches, and new suspended sidewalk slabs.
3. Provide all reinforcing and installation for complete performance of concrete tunnel work.
4. Provide all concrete, placing and finishing for complete performance of concrete tunnel work.
5. Provide all backfilling to restore original rough grading for replacement of street paving specified elsewhere.
6. Provide and install all concrete block, split block, soaps etc. required to fill existing openings to building basements and to dress resulting common basement wall on tunnel side.

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

SECTION XI - DISTRICT SYSTEM GENERAL CONSTRUCTION (Continued)

7. Provide and install all necessary sleeves for standard utility tunnel service connections to building basements.

c) Waterproofing Tunnels

1. Provide and install all cement waterproofing for tunnel grade slabs and walls to a height of 2'-0" above mean high water.
2. Cement waterproofing shall be Cow Bay, Ironite or other approved ferrous waterproofing cement specifically manufactured for this purpose.

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST
MARKET BUILDING
Faneuil Hall Markets

SECTION XI - DISTRICT SYSTEM, GENERAL CONSTRUCTION

a) Heat sink tank construction:

1. Total cost \$82,000, allocate 20% of cost to Market Building. \$16,600

b) Tunnel construction:

1. South face of building -

existing vaults 450 ft. @ \$75. \$34,000

new vaults 90 ft. @ 170 15,200

Total. \$49,200

3. Waterproofing tunnels -

24 ft. x 525 ft. = 12,500 sq. ft. @ \$1.25. 15,500

Total of b. \$64,700

Total. \$81,300

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

MARKET BUILDING

Faneuil Hall Markets

Prepared by:

PROGRESSIVE CONSULTING ENGINEERS INC, CAMBRIDGE, MASSACHUSETTS
SECTION XII - HEATING, VENTILATION AND AIR CONDITIONING

a) District system, H V A/C:

1. Central plant equipment (heating and cooling system) -
Total cost \$160,000; allocate 20% to Market Building. . . . \$32,000
2. Heat sink (mechanical work- equipment) -
Total cost \$33,000; * allocate 20% to Market Building. 6,700
3. Tunnel distributing equipment (heating and cooling)
Total cost \$72,000, allocate 33.3% to Market Building. . . . 24,000

Total. \$62,700

b) District system, plumbing:

1. Storm water, sanitary domestic water, gas. \$7,400
2. Sewerage ejector. 6,000

Total. \$13,400

c) Interior H V A/C system:

1. \$250,000*H V A/C for east and west wings and Great Hall
x 55% H V A/C for west wing and Great Hall

Total. \$137,500

Total of Section XII. \$200,200

* See report by PROGRESSIVE CONSULTING ENGINEERS INC

ARCHITECTURAL HERITAGE

FANFUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST MARKET BUILDING Faneuil Hall Markets

SECTION XIII - ELECTRICAL

Prepared by CONSULTING ENGINEERS - HEROSY, LOTTERO & MASON - OF BOSTON, MASS.

a) Central plant:

Total cost \$20,800, allocate 20% to Market Building. \$4,200

b) Distribution system:

1. Feeders. \$28,000

2. Meter groups. 17,400

3. Telephone ducts. 3,500

Total. \$48,900

c) Tenant wiring:

1. Feeder distribution. \$44,000

2. Allowance for retail @ \$1.25 sq.ft.. 100,300

Total. \$144,300

d) Building services:

1. Public areas. \$15,400

2. H V A/C wiring. 7,400

4. Telephone provisions. 3,200

5. Emergency lighting. 12,400

6. Ice melting (gutters). 6,600

7. Auxilary system provisions. 3,200

Total. \$48,200

Total of Section XIII. \$245,600*

* See attached report by Consulting Engineers Herosy, Lottero & Mason

ARCHITECTURAL HERITAGE

FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

ESTIMATED COST

BY CONSULTING ENGINEERS - HEROSY, LOTTERO & MASON - OF BOSTON, MASSACHUSETTS
Faneuil Hall Markets

SECTION XIII - ELECTRICAL

DISTRICT SYSTEM ELECTRICAL COST

A. Edison Company Electric Services	\$	00.00
B. N. E. Tel & Tel Company Telephone Services		00.00
C. Tunnel Distribution		

1. Central H.V. A/C Plant	35% No. Mkt Bldg.	\$7,300.00
	45% So. Mkt Bldg.	9,300.00
	20% Market Bldg	<u>4,200.00</u>
		\$20,800.00

2. Market Building		
a. Service Feeders		28,000.00
b. Metering Groups		17,400.00
c. N.E.T. & T. Co. Telephone Ducts		<u>3,500.00</u>
		\$48,900.00

3. North and South Market Buildings (Combined)		
a. Service Feeders		98,400.00
b. Metering Groups		42,800.00
c. N.E.T. & T. Co. Telephone Ducts		<u>7,200.00</u>
		\$148,400.00

TOTAL \$ 218,100.00

D. Market Building Wiring

1. Tenant Wiring		
a. Feeder Distribution		\$ 44,000.00
b. Allowance, Tenant spaces @\$1.25 sq. ft.		<u>100,300.00</u>
		\$144,300.00

2. Building Services Allowance		
a. Lighting and wiring, public areas		15,400.00
b. H.V. and Air Conditioning wiring		7,400.00
c. N.E.T. & T. Telephone Provisions		3,200.00
d. Emergency Lighting		12,400.00
e. Ice Melting System (Gutters)		6,600.00
f. Auxiliary System Provisions		<u>3,200.00</u>
		\$ 48,200.00

*g. Special lighting		46,000.00
*h. Fire Alarm System		18,700.00
*i. Sound System		8,000.00
*j. Clock System		3,000.00
*k. Television		<u>500.00</u>

TOTAL MARKET BUILDING WIRING \$ 192,500.00

*Optional, not included in total

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

BY CONSULTING ENGINEERS - HEROSY, LOTTERO & MASON - OF BOSTON, MASSACHUSETTS

E. North and South Market Buildings Wiring (combined)

1. Tenant Wiring

a. Feeder Distribution	No. Mkt Bldg	\$50,000	
	So. Mkt Bldg	<u>65,600</u>	\$115,600.00

b. Allowance for Tenant spaces

(1) Retail, Bsmt. and 1st Flrs.

@ \$125 sq. ft. No. Mkt Bldg \$68,000

So. Mkt Bldg 87,000

\$155,000.00

(2) Office, 2nd, 3rd, 4th, 5th

@ \$1.80 sq.ft. No. Mkt Bldg \$200,000

So. Mkt Bldg 246,400\$446,400.00

\$717,000.00

2. Building Services Allowance

a. Lighting and wiring public areas 58,400.00

b. H.V., and Air Conditioning Wiring 52,800.00

c. Elevator Wiring 5,100.00

d. N.E.T. & T. Telephone provisions 24,000.00

e. Emergency Lighting 17,600.00

*f. Fire Alarm System 22,800.00

g. Ice Melting System (Gutters) 14,200.00

h. Auxiliary System Provisions 24,000.00

\$196,100.00

TOTAL NORTH AND SOUTH MARKET BUILDINGS WIRING

\$913,100.00

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

EXPLANATION OF ESTIMATED COST

- A. Edison Company will provide network and electric service to the tunnels at no expense to building Owners. See drawing E-1.
- B. New England Telephone and Telegraph Company will provide telephone service to ends of the tunnels at no expense to the building Owners. See drawing E-1.
- C. Electrical and Telephone wiring within the tunnels and central plant.
 - 1. Allowance for all electrical wiring for central H.V. A/C Plant.
 - 2. Wiring in tunnel applicable to the market building.
 - a. Electrical wiring from Edison Service to each meter group. See drawing E-5.
 - b. Metering provisions for each tenant unit. See drawing E-3.
 - c. Telephone ducts through tunnel and mounting panels. See drawings E-2 and E-4.
 - 3. Wiring in tunnels (2) applicable to the north and south market buildings.
 - a. Electrical wiring from Edison service to each meter group. See drawing E-2.
 - b. Metering provisions for each tenant unit. See drawing E-3.
 - c. Telephone ducts through tunnel and mounting panels. See drawing E-4.
- D. All market building electrical work beyond metering.
 - 1. Electrical work applicable directly to tenant spaces.
 - a. Electrical wiring between meter groups and each tenant unit, including a circuit breaker panel in each unit. See drawings E-5, E-6, E-7 and E-8.
 - b. Allowance for moderate general lighting and receptacle wiring, as normally provided by the Owner for tenant use.
 - 2. Electrical work for central services, public spaces, etc., not directly applicable to tenant spaces.
 - a. Lighting, receptacles and wiring for public stairhall, corridors, toilets, etc.
 - b. Wiring of central heating, ventilating and air conditioning system within the buildings.

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

EXPLANATION OF ESTIMATED COST (Cont'd)

- c. Empty conduit facilities from the tunnel to each tenant unit for N.E.T. & T. Company telephone system.
- d. Emergency lighting required for all public corridors, lobbies and stairhalls.
- e. A heating cable system for all gutters and downspouts, to prevent ice buildup in the winter. Manually operated from central plant.
- f. Auxiliary empty conduit system between tunnel, each tenant unit and attic for miscellaneous communication and signal systems.
- g. Special lighting for the second floor, great room and exhibition halls, such as exhibition lighting, chandeliers, dimming, etc.
- h. Fire Alarm System, fully supervised, ten zone, non-coded, with automatic heat, smoke and gas detection. This system would be directly connected to the Boston Fire Department.
- i. Public Address system for second floor for general announcements and music. Separate sound reinforcement for the great room.
- j. Central clock system, with clocks located along corridors of first and second floors.
- k. Empty conduit provisions for television broadcasting in the great room, by a television station.

E. All electrical work in the north and south market buildings beyond metering.

- 1. Electrical work directly applicable to tenant spaces. See drawing E-9 for wiring of a typical tenant space.
 - a. Electrical wiring between meter groups and each tenant unit. including a circuit breaker panel in each unit.
 - b. Allowance for moderate general lighting and receptacle wiring, as normally provided by the Owner for tenant use. Includes allowances for problem job conditions.
- 2. Electrical work for central services, public spaces, etc., not directly applicable to tenant spaces.
 - a. Lighting, receptacles and wiring for public stairhill, corridors, toilets, etc.
 - b. Wiring of central heating, ventilating and air conditioning system within the buildings.

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FANEUIL HALL MARKET, BOSTON, MASSACHUSETTS 02109

EXPLANATION OF ESTIMATED COST (Cont'd)

- c. Electric wiring for six elevators.
- d. Empty conduit facilities from the tunnel to each tenant unit for N.E.T. & T. Co. Telephone system.
- e. Emergency lighting required for all public corridors, lobbies and stairhalls. Based on 50 percent of potential corridor being public and six stairhall cores.
- f. Central Fire Alarm System, fully supervised, 44 zone (one per building unit) non-coded, with automatic heat detection. This system would be wired to the central plant control room for Owner's control.
- g. A heating cable system for all gutters and downspouts, to prevent ice buildup in the winter. Manually operated from central plant.
- h. Auxiliary empty conduit system between tunnel and each tenant unit for miscellaneous communication and signal systems.

